





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Waukesha Service Center  
141 NW Barstow St.  
Room 180  
Waukesha, Wisconsin 53188  
Telephone 262-574-2100  
FAX 262-574-2117

July 8, 2004

Mr. Bruce Glaser  
APS Concrete Products  
W193 N7700 Becker Drive  
Lannon, WI 53046

FID# 268352150  
BRRTS# 03-68-118912

Subject: Final Case Closure for APS Concrete Products, 1151 Hickory Street, Pewaukee

Dear Mr. Glaser:

On June 1, 2004, the Wisconsin Department of Natural Resources (Department) notified you that conditional closure was granted to this case. On June 17, 2004, the Department received correspondence indicating that you have complied with the conditions of closure. These conditions were the abandonment of all monitoring wells and receipt of updated GIS information. Based on the correspondence and data provided, it appears your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm> If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at the web address listed above.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment. The Department appreciates the actions you have taken to restore the environment at this site. If you have any questions regarding this letter, please contact me at (262) 574-2140.

Sincerely,

Brenda H. Boyce, P.G.  
Hydrogeologist  
Remediation and Redevelopment Program  
C: Timothy Welch - Giles Engineering



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June 1, 2004

Mr. Bruce Glaser  
APS Concrete Products  
W193 N7700 Becker Drive  
Lannon, WI 53046

FID# 268352150  
BRRTS# 03-68-118912

Subject: Conditional Case Closure for APS Concrete Products, 1151 Hickory Street, Pewaukee

Dear Mr. Glaser:

The Wisconsin Department of Natural Resources (Department) received the *Request for Case Closure* report for the above-referenced site on April 12, 2004. Your request for case closure was reviewed by the Southeast Region's Closure Committee on June 1, 2004. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Department has determined that the petroleum contamination on the site from the former UST system appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

1. The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Ms. Victoria Stovall on Form 3300-5B found at <http://www.dnr.state.wi.us/org/water/dwg/gw/> or provided by the Department of Natural Resources.
2. The GIS registry information must be updated with the most recent investigation and remedial work performed at the site. Please provide updated analytical tables and site figures to the Department.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

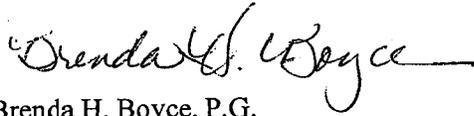
APS Concrete Products

June 1, 2004

Page 2 of 2

The Department appreciates the actions you have taken to restore the environment at this site. If you have any questions regarding this letter, please contact me at (262) 574-2140.

Sincerely,



Brenda H. Boyce, P.G.

Hydrogeologist

Remediation and Redevelopment Program

C: Timothy Welch – Giles Engineering

LEGAL DESCRIPTION - SOUTH PARCEL:  
Reel 223, Image 1196, Document No. 985465

RECORDING DATE 2/23/77

All that part of the Southwest 1/4 of Section 10, in Township 7 North, Range 19 East, in the Village of Pewaukee bounded and described as follows: Commencing at the southwest corner of Section 10, thence North 1°40' East along the west line of said Section, 520.58 feet; thence South 65°03' East 625.44 feet to the place of beginning of the parcel hereinafter described; thence continuing South 65°03' East 226.06 feet; thence North 24°57' East 183.04 feet; thence North 1°40' East 201.22 feet; thence North 88°20' West 280.00 feet; thence South 1°40' West 280.00 feet to the place of beginning. Containing in all 87,991 square feet or 2.02 acres.

Property Tax Listing - Register of Deeds/Treasurer - County Data Warehouse - version 1.05

[Search Options](#) | [View Tax Bill](#) | [View GIS Image](#) | [Help](#) Search by



**Pay Your Taxes Online**

## Tax Listing Details



**Pay Your Taxes Online**

**2003 REAL PROPERTY TAX LISTING**

Tax Key ◀▶ PWV 0903996003 Effective Date: 12/22/2003  
 Address ◀▶ 1151 HICKORY ST View: [Previous Year](#)  
 Legal Description: PT SW1/4 SEC 10 T7N R19E COM SW COR N1 40' E 515.66 FT S65 03' E 624.89FT THE BGN S65 03' E 226.06 FT N24 57' E 183.04FT N1 40' E 201.22 FT N88 20' W 280 FT S1 40' W 280 FT TO BGN 2.02 AC R223/1196 View: [2003 Tax Bill](#)

**Description**

Assessment Year:	2003	Active for Assessment Year:	Yes
First Roll Year:		Retired Roll Year:	
Assessed With Others:	No	Referral:	No
Burial Site:	No		

Listed To:  
 JACK GLASER  
 11018 N MEQUON SQUARE DR  
 MEQUON, WI 53092-8529

**Assessment Information**

Assessed By:	STATE	Assessment Type:	FULL
Approved Value Year:	2003	Board of Review Date:	5/14/2003
Assessment Ratio:	88.11%	Assessment Ratio Year:	2002

**Property Values:**

Property Class	Acres	Land	Improvement	Total
MANUFACTURING	2.02	\$84,400.00	\$127,700.00	\$212,100.00
<b>Total:</b>	2.02	\$84,400.00	\$127,700.00	\$212,100.00

**Districts:**

District Type	District Name	DOR Code
VILLAGE	PEWAUKEE	171
SCHOOL	SCH D OF PEWAUKEE	4312
TCDB	WAUKESHA TECH COLLEGE DIST	08

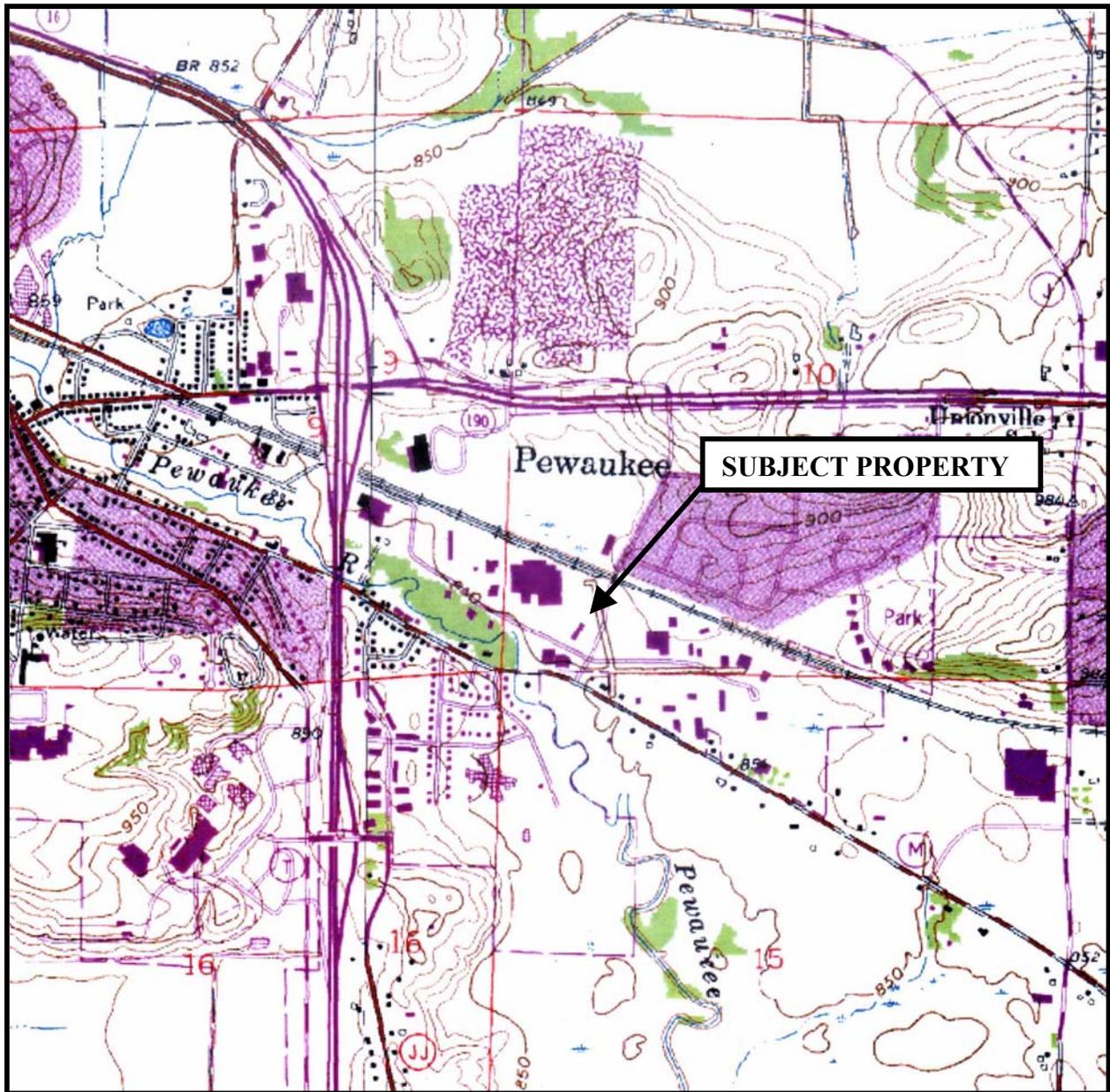
County Web Site 40

This program accesses data from databases maintained by several County Departments and Local Municipalities. There may be inconsistency in data depending on the date the information was gathered or the purpose for which it is maintained. Due to variances in sources and update cycles, there is no guarantee as to the accuracy of the data. For questions regarding tax listing, contact the County Register of Deed's Office at (262)548-7589 . For questions regarding County Tax Bills, contact the County Treasurer's Office at (262)548-7029 .



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Source: USGS 7.5 Minute Series (topographic) *Waukesha, Wisconsin* Quadrangle Map (1959; revised in 1994)

Scale: 1:100,000  
 Contour Interval: 10 Feet  
 WTM Coordinates: 663056, 290859



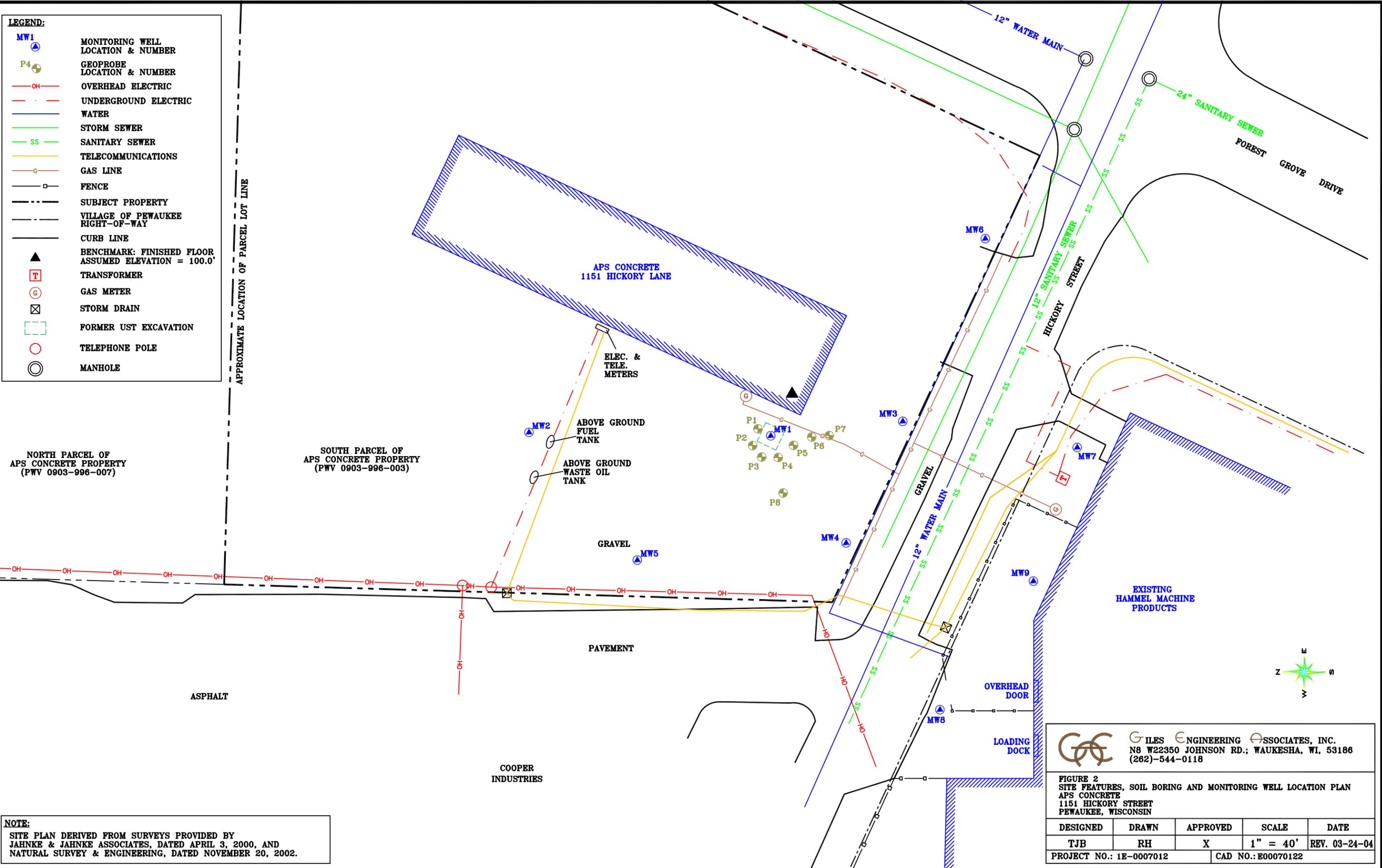
**Figure 1**  
**Subject Property Location**

**APS Concrete Products, Inc.**  
 1151 Hickory Street  
 Pewaukee, Wisconsin  
 Project No. 1E-0007012



**LEGEND:**

MW1	MONITORING WELL LOCATION & NUMBER
P4	GEOPROBE LOCATION & NUMBER
OH	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	WATER
---	STORM SEWER
---	SANITARY SEWER
---	TELECOMMUNICATIONS
---	GAS LINE
---	FENCE
---	SUBJECT PROPERTY
---	VILLAGE OF PEWAUKEE RIGHT-OF-WAY
---	CURB LINE
▲	BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
T	TRANSFORMER
G	GAS METER
⊠	STORM DRAIN
---	FORMER UST EXCAVATION
○	TELEPHONE POLE
○	MANHOLE



**NOTE:**  
 SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.

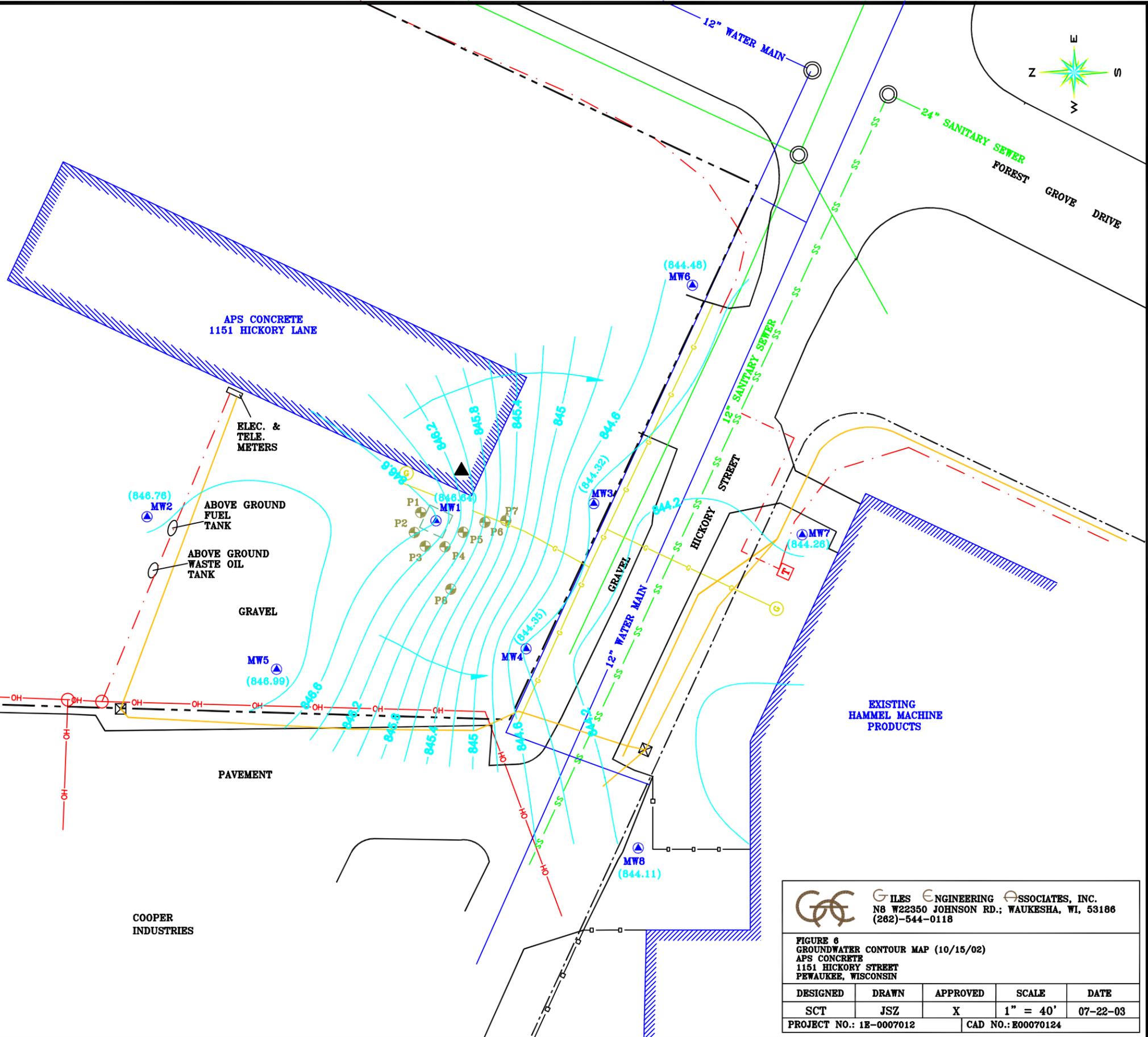
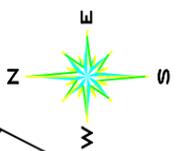
**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186  
 (262)-544-0118

**FIGURE 2  
 SITE FEATURES, SOIL BORING AND MONITORING WELL LOCATION PLAN  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN**

DESIGNED	DRAWN	APPROVED	SCALE	DATE
TJB	RH	X	1" = 40'	REV. 03-24-04
PROJECT NO.: 1E-0007012		CAD NO.: E00070122		

**LEGEND:**

- MW1 MONITORING WELL LOCATION & NUMBER
- P4 GEOPROBE LOCATION & NUMBER
- OH OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- WATER
- STORM SEWER
- SS SANITARY SEWER
- TELECOMMUNICATIONS
- GAS LINE
- FENCE
- SUBJECT PROPERTY
- VILLAGE OF PEWAUKEE RIGHT-OF-WAY
- CURB LINE
- BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
- T TRANSFORMER
- G GAS METER
- STORM DRAIN
- FORMER UST EXCAVATION
- TELEPHONE POLE
- MANHOLE
- (846.76) GROUNDWATER ELEVATION (IN FEET REFERENCED TO MEAN SEA LEVEL)
- 845.0 GROUNDWATER CONTOUR AND ELEVATION CONTOUR INTERVAL = 0.2'
- GROUNDWATER FLOW DIRECTION



**NOTE:**  
 SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.

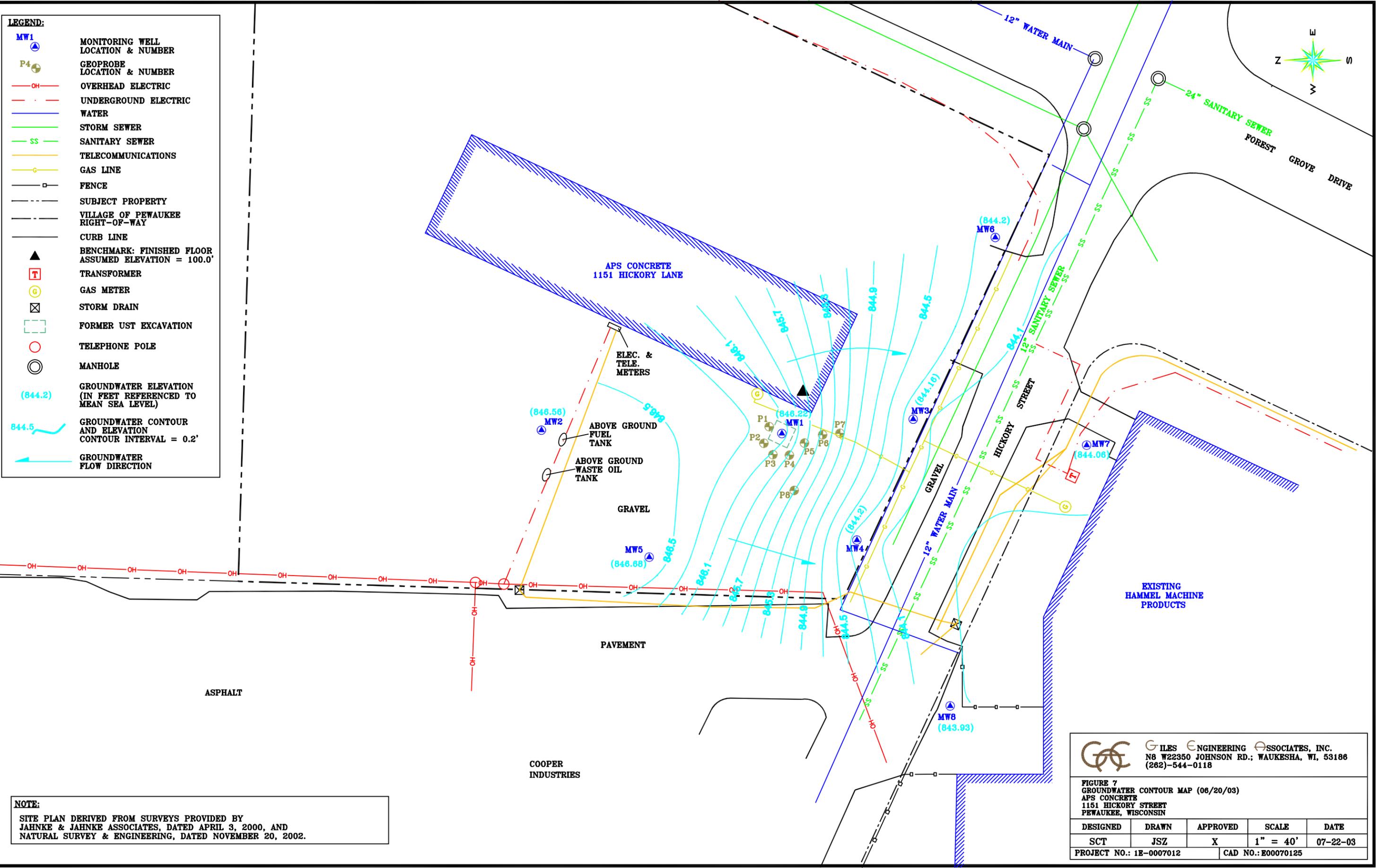
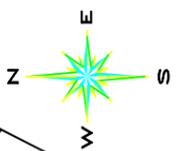
**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186  
 (262)-544-0118

**FIGURE 6**  
 GROUNDWATER CONTOUR MAP (10/15/02)  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 40'	07-22-03

PROJECT NO.: 1E-0007012 CAD NO.: E00070124

- LEGEND:**
- MW1 MONITORING WELL LOCATION & NUMBER
  - P4 GEOPROBE LOCATION & NUMBER
  - OH OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - WATER
  - STORM SEWER
  - SS SANITARY SEWER
  - TELECOMMUNICATIONS
  - GAS LINE
  - FENCE
  - SUBJECT PROPERTY
  - VILLAGE OF PEWAUKEE RIGHT-OF-WAY
  - CURB LINE
  - BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
  - TRANSFORMER
  - GAS METER
  - STORM DRAIN
  - FORMER UST EXCAVATION
  - TELEPHONE POLE
  - MANHOLE
  - (844.2) GROUNDWATER ELEVATION (IN FEET REFERENCED TO MEAN SEA LEVEL)
  - 844.5 GROUNDWATER CONTOUR AND ELEVATION CONTOUR INTERVAL = 0.2'
  - GROUNDWATER FLOW DIRECTION



**NOTE:**  
 SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.

**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186  
 (262)-544-0118

**FIGURE 7**  
 GROUNDWATER CONTOUR MAP (06/20/03)  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 40'	07-22-03

PROJECT NO.: 1E-0007012 CAD NO.: E00070125

**LEGEND:**

MW1	MONITORING WELL LOCATION & NUMBER
P4	GEOPROBE LOCATION & NUMBER
OH	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	WATER
---	STORM SEWER
---	SANITARY SEWER
---	TELECOMMUNICATIONS
---	GAS LINE
---	FENCE
---	SUBJECT PROPERTY
---	VILLAGE OF PEWAUKEE RIGHT-OF-WAY
---	CURB LINE
▲	BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
T	TRANSFORMER
G	GAS METER
⊠	STORM DRAIN
---	FORMER UST EXCAVATION
○	TELEPHONE POLE
○	MANHOLE

**CHEMICAL KEY:**

- B: BENZENE
- DCA: DICHLOROETHANE
- E: ETHYLBENZENE
- MTBE: METHYL TERT BUTYL ETHER
- Napht: NAPHTHALENE
- T: TOLUENE
- TMB: TRIMETHYLBENZENE
- X: TOTAL XYLENES

**ABBREVIATIONS:**

- DRO: DIESEL RANGE ORGANIC
- PID: PHOTOIONIZATION DETECTOR (FIELD)
- PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND

**NOTES:**

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

DRO RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

PVOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)

**RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WISCONSIN ADMINISTRATIVE CODE NR 720.09 GENERIC RESIDUAL CONTAMINANT LEVEL (RCL) BASED ON GROUNDWATER PROTECTION**

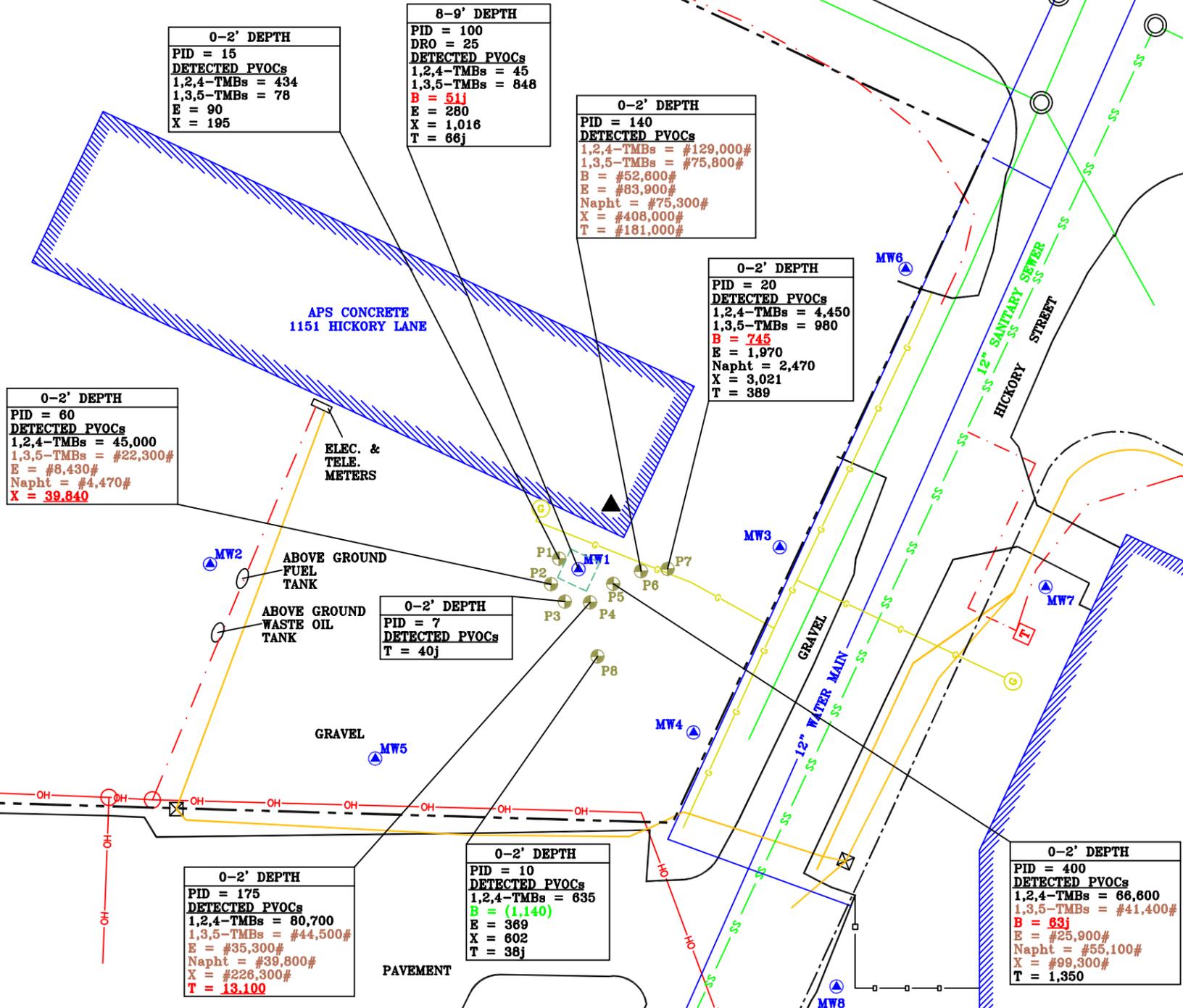
**RESULTS IN GREEN/PARENTHESIS EXCEED THE WISCONSIN ADMINISTRATIVE CODE NR746-TABLE 2 DIRECT CONTACT SOIL CONTAMINANT CONCENTRATION**

**RESULTS INDICATED IN BROWN/# EXCEED THE WISCONSIN ADMINISTRATIVE CODE NR 746-TABLE 1 RESIDUAL PETROLEUM PRODUCT IN SOIL PORES SCREENING LEVELS**

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

**NOTES:**

- SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.
- SOIL SAMPLES WERE NOT COLLECTED AT BORING LOCATIONS MW2, MW3, MW4, MW5, MW6, MW7, AND MW8.

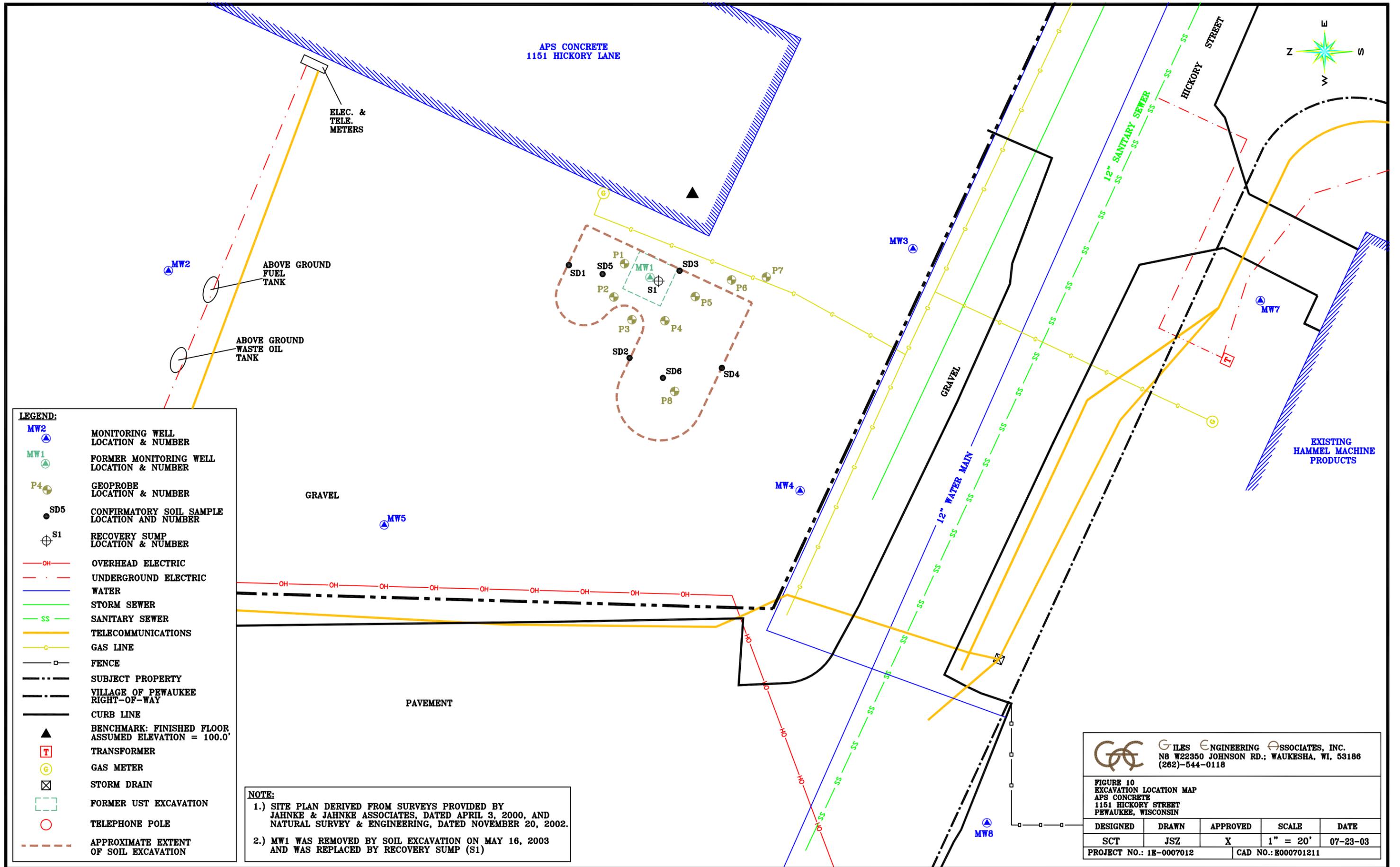


**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON RD., WAUKESHA, WI, 53186  
 (262)-544-0118

**FIGURE 8**  
 SOIL ANALYTICAL RESULTS  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 40'	07-23-03

PROJECT NO.: 1E-0007012      CAD NO.: E000701210

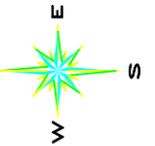


APS CONCRETE  
1151 HICKORY LANE

ELEC. &  
TELE.  
METERS

ABOVE GROUND  
FUEL  
TANK

ABOVE GROUND  
WASTE OIL  
TANK



EXISTING  
HAMMEL MACHINE  
PRODUCTS

**LEGEND:**

- MW2 MONITORING WELL LOCATION & NUMBER
- MW1 FORMER MONITORING WELL LOCATION & NUMBER
- P4 GEOPROBE LOCATION & NUMBER
- SD5 CONFIRMATORY SOIL SAMPLE LOCATION AND NUMBER
- S1 RECOVERY SUMP LOCATION & NUMBER
- OH OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC
- W WATER
- SS STORM SEWER
- SS SANITARY SEWER
- TL TELECOMMUNICATIONS
- G GAS LINE
- F FENCE
- SP SUBJECT PROPERTY
- VORW VILLAGE OF PEWAUKEE RIGHT-OF-WAY
- CL CURB LINE
- B BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
- T TRANSFORMER
- G GAS METER
- SD STORM DRAIN
- FE FORMER UST EXCAVATION
- TP TELEPHONE POLE
- SE APPROXIMATE EXTENT OF SOIL EXCAVATION

**NOTE:**

- 1.) SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.
- 2.) MW1 WAS REMOVED BY SOIL EXCAVATION ON MAY 16, 2003 AND WAS REPLACED BY RECOVERY SUMP (S1)

<b>GILES ENGINEERING ASSOCIATES, INC.</b> N8 W22350 JOHNSON RD.: WAUKESHA, WI, 53186 (262)-544-0118				
<b>FIGURE 10</b> <b>EXCAVATION LOCATION MAP</b> APS CONCRETE 1151 HICKORY STREET PEWAUKEE, WISCONSIN				
DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 20'	07-23-03
PROJECT NO.: 1E-0007012			CAD NO.: E000701211	

**LEGEND:**

MW2	MONITORING WELL LOCATION & NUMBER
MW1	FORMER MONITORING WELL LOCATION & NUMBER
P4	GEOPROBE LOCATION & NUMBER
S1	RECOVERY SUMP LOCATION & NUMBER
OH	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	WATER
---	STORM SEWER
---	SANITARY SEWER
---	TELECOMMUNICATIONS
---	GAS LINE
---	FENCE
---	SUBJECT PROPERTY
---	VILLAGE OF PEWAUKEE RIGHT-OF-WAY
---	CURB LINE
▲	BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
T	TRANSFORMER
G	GAS METER
⊠	STORM DRAIN
□	FORMER UST EXCAVATION
○	TELEPHONE POLE
⊙	MANHOLE

**LEGEND:**

ESTIMATED EXTENT OF PETROLEUM IMPACTED GROUNDWATER EXCEEDING NR 140 ENFORCEMENT STANDARDS

**CHEMICAL KEY:**

- ACP: ACENAPHTHYLENE
- AN: ACENAPHTHENE
- B: BENZENE
- B(a): BENZO (a) ANTHRACENE
- B(a)P: BENZO (a) PYRENE
- B(b): BENZO (b) FLUORANTHENE
- B(k): BENZO (k) FLUORANTHENE
- C: CHRYSENE
- diBA: di BENZO (a,h) ANTHRACENE
- E: ETHYLBENZENE
- F: FLUORANTHENE
- FL: FLUORENE
- IPBz: ISOPROPYLBENZENE
- MN: METHYLNAPHTHALENE
- MTBE: METHYL TERT BUTYL ETHER
- n-PBz: n-PROPYLBENZENE
- Napht: NAPHTHALENE
- P: PYRENE
- p-IPT: p-ISOPROPYLTOLUENE
- PA: PHENANTHRENE
- Pb: LEAD
- PCE: TETRACHLOROETHENE
- s-BuBz: Sec-BUTYLBENZENE
- T: TOLUENE
- TMB: TRIMETHYLBENZENE
- VC: VINYL CHLORIDE
- X: TOTAL XYLENES

**ABBREVIATIONS:**

- LOD: LIMIT OF DETECTION
- PAH: POLYNUCLEAR AROMATIC HYDROCARBON
- VOC: VOLATILE ORGANIC COMPOUND

**NOTES:**

VOC, PVOC, PAH AND LEAD RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN BLUE/PARENTHESES ARE ABOVE THE WISCONSIN ADMINISTRATIVE CODE NR 140 PREVENTIVE ACTION LIMIT (PAL)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WISCONSIN ADMINISTRATIVE CODE NR 140 ENFORCEMENT STANDARD (ES)

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

12/20/01	6/19/02	10/15/02	1/08/03
DETECTED VOCs TMBs = (458) B = 177 IPBz = 39 n-PBz = 96 p-IPT = 23 s-BuBz = 14 T = 21 X = 64 DETECTED PAHs 1-MN = 189 2-MN = 218 FL = 7.6 Napht = 298 PA = 9.3	DETECTED PVOCs E = 1.250 DETECTED PAHs 1-MN = 7.5 2-MN = 26 B(a) = 0.07j B(a)P = (0.03j) FL = 0.01j F = 1.6 Napht = 21 PA = 0.12	DETECTED PVOCs B = 120 T = 15 E = (436) X = 856 TMBs = 1249 DETECTED PAHs 1-MN = 9 2-MN = 2.3 AN = 4.6 ACP = 71 B(b) = 0.06j DiBA = 0.16 F = 0.34 FL = 1.6 Napht = 148 PA = 4.5	DETECTED VOCs B = 137 T = 3.5 E = (595) X = (1,003) TMB = 1177

10/15/02	1/08/03
PAHs < LOD DETECTED VOCs T = 0.84j E = 0.53 TMB = 0.38j VC = 0.2	PVOCs < LOD

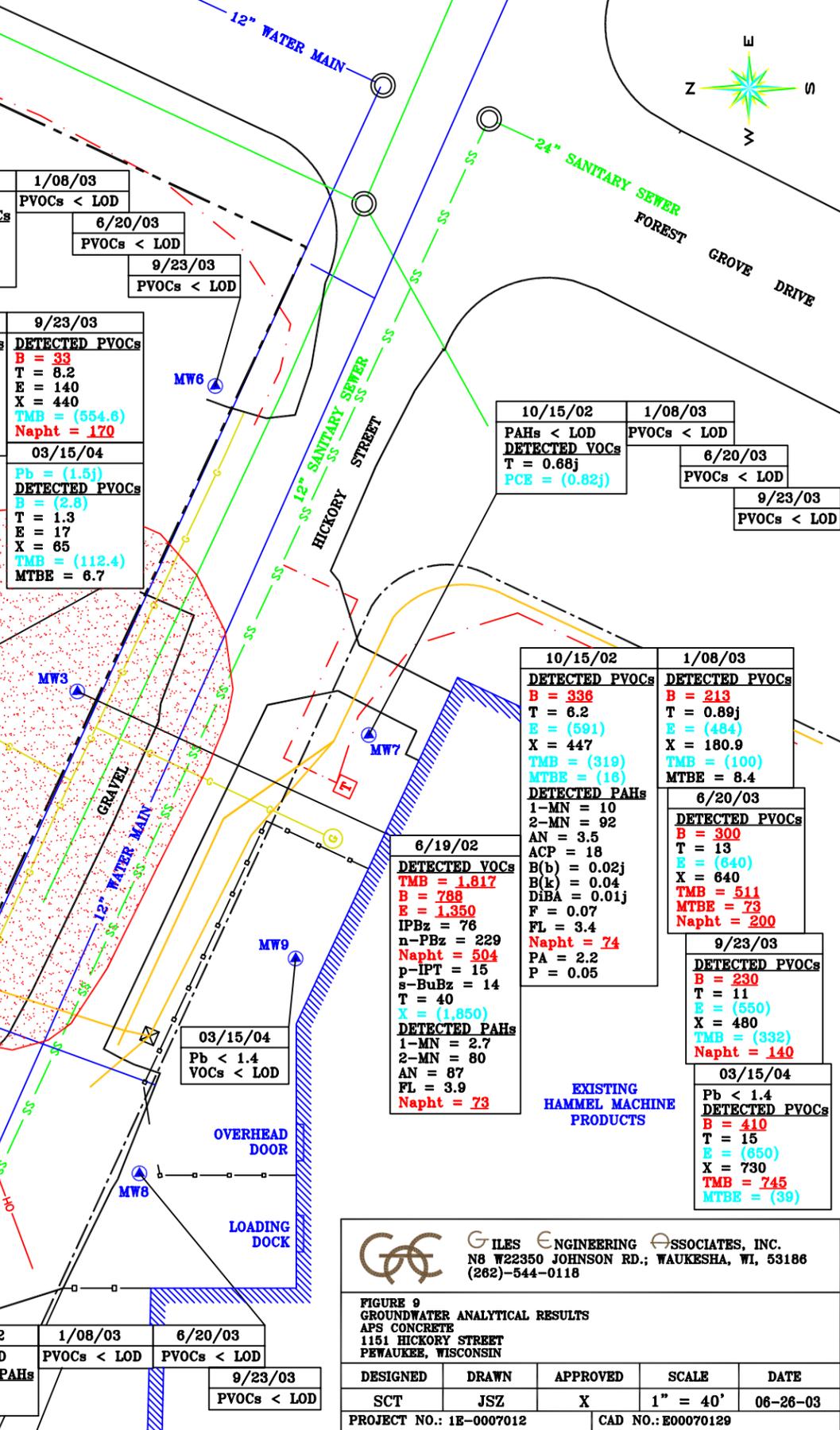
6/20/03	9/23/03
DETECTED PVOCs B = 9.9 T = 7.9 E = 39 X = 320 TMB = (374) MTBE = (14) Napht = 110	DETECTED PVOCs B = 33 T = 8.2 E = 140 X = 440 TMB = (554.6) Napht = 170

10/15/02	1/08/03	6/20/03	9/23/03
DETECTED VOCs PCE = (0.58j) DETECTED PAHs B(k) = 0.02j DiBA = 0.02j F = 0.07 Napht = 0.26j P = 0.04	PVOCs < LOD	PVOCs < LOD	PVOCs < LOD

**NOTES:**

1.) SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.

2.) MW1 WAS REMOVED BY SOIL EXCAVATION ON MAY 16, 2003 AND WAS REPLACED BY RECOVERY SUMP (S1)



**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186  
 (262)-544-0118

**FIGURE 9**  
 GROUNDWATER ANALYTICAL RESULTS  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

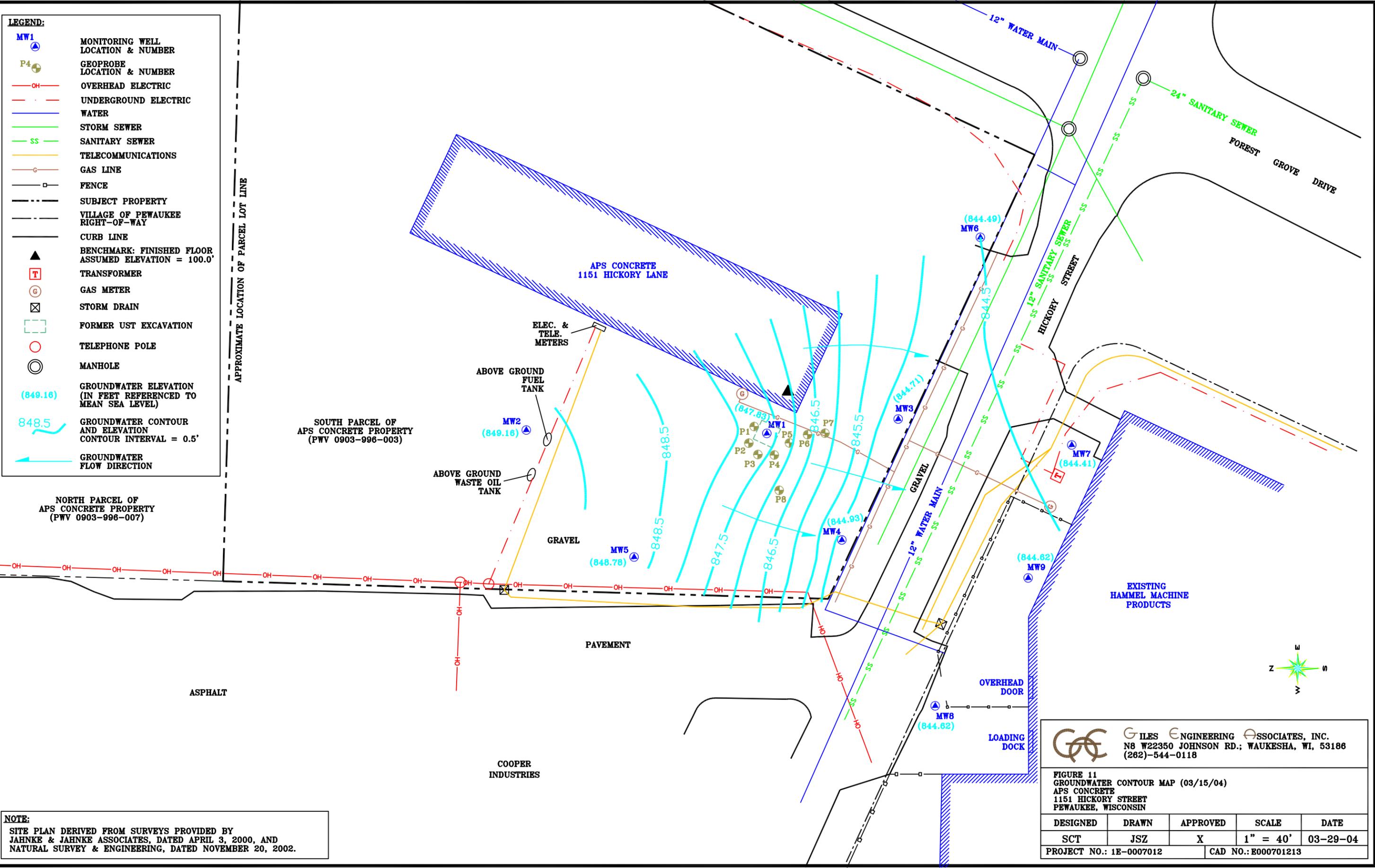
DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 40'	06-26-03

PROJECT NO.: 1E-0007012      CAD NO.: E00070129

- LEGEND:**
- MW1 MONITORING WELL LOCATION & NUMBER
  - P4 GEOPROBE LOCATION & NUMBER
  - OH OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - WATER
  - STORM SEWER
  - SS SANITARY SEWER
  - TELECOMMUNICATIONS
  - G GAS LINE
  - FENCE
  - SUBJECT PROPERTY
  - VILLAGE OF PEWAUKEE RIGHT-OF-WAY
  - CURB LINE
  - BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
  - T TRANSFORMER
  - G GAS METER
  - STORM DRAIN
  - FORMER UST EXCAVATION
  - TELEPHONE POLE
  - MANHOLE
  - (849.16) GROUNDWATER ELEVATION (IN FEET REFERENCED TO MEAN SEA LEVEL)
  - 848.5 GROUNDWATER CONTOUR AND ELEVATION CONTOUR INTERVAL = 0.5'
  - GROUNDWATER FLOW DIRECTION

NORTH PARCEL OF  
APS CONCRETE PROPERTY  
(PWV 0903-996-007)

SOUTH PARCEL OF  
APS CONCRETE PROPERTY  
(PWV 0903-996-003)



**NOTE:**  
SITE PLAN DERIVED FROM SURVEYS PROVIDED BY  
JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND  
NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.

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(262)-544-0118

FIGURE 11  
GROUNDWATER CONTOUR MAP (03/15/04)  
APS CONCRETE  
1151 HICKORY STREET  
PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 40'	03-29-04
PROJECT NO.: 1E-0007012		CAD NO.: E000701213		

**LEGEND:**

- MW1 MONITORING WELL LOCATION & NUMBER
- P4 GEOPROBE LOCATION & NUMBER
- SD5 CONFIRMATORY SOIL SAMPLE LOCATION AND NUMBER
- S1 RECOVERY SUMP LOCATION & NUMBER
- OH OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- WATER
- STORM SEWER
- SS SANITARY SEWER
- TELECOMMUNICATIONS
- GAS LINE
- FENCE
- SUBJECT PROPERTY
- VILLAGE OF PEWAUKEE RIGHT-OF-WAY
- CURB LINE
- ▲ BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
- T TRANSFORMER
- G GAS METER
- ⊗ STORM DRAIN
- FORMER UST EXCAVATION
- TELEPHONE POLE
- MANHOLE
- - - APPROXIMATE EXTENT OF SOIL EXCAVATION
- - - APPROXIMATE EXTENT OF SUPPLEMENTAL SOIL EXCAVATION

**CHEMICAL KEY:**

- AN: ACENAPHTHENE
- AT: ANTHRACENE
- B: BENZENE
- B(a): BENZO (a) ANTHRACENE
- B(b): BENZO (b) FLUORANTHENE
- B(a)P: BENZO (a) PYRENE
- B(g,h,i): BENZO (g,h,i) PERYLENE
- B(k): BENZO (k) FLUORANTHENE
- C: CHRYSENE
- DCA: DICHLOROETHANE
- DiBA: di BENZO (a,h) ANTHRACENE
- E: ETHYLBENZENE
- F: FLUORANTHENE
- FL: FLUORENE
- IP: INDENO (1,2,3-cd) PYRENE
- MN: METHYLNAPHTHALENE
- MTBE: METHYL TERT BUTYL ETHER
- Napht: NAPHTHALENE
- P: PYRENE
- PA: PHENANTHRENE
- T: TOLUENE
- TMB: TRIMETHYLBENZENE
- X: TOTAL XYLENES

**ABBREVIATIONS:**

- DRO: DIESEL RANGE ORGANIC
- LOD: LIMIT OF DETECTION
- NR: NATURAL RESOURCES
- PAH: POLYNUCLEAR AROMATIC HYDROCARBON
- PID: PHOTOIONIZATION DETECTOR (FIELD)
- PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND
- RCL: RESIDUAL CONTAMINANT LEVEL
- WAC: WISCONSIN ADMINISTRATIVE CODE

**NOTES:**

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

DRO RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

PVOC AND PAH RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)

**RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WAC NR 720.09 GENERIC RCL BASED ON GROUNDWATER PROTECTION**

**RESULTS INDICATED IN GREEN/PARENTHESIS EXCEED THE WAC NR 746.06-TABLE 2 DIRECT CONTACT SOIL CONTAMINANT CONCENTRATION**

**RESULTS INDICATED IN BROWN/# EXCEED THE WAC NR 746.06-TABLE 1 RESIDUAL PETROLEUM IN SOIL PORES SOIL SCREENING LEVELS**

**PAH RESULTS INDICATED IN RED/UNDERLINED EXCEED THE GENERIC RCL INTERIM SOIL STANDARDS (DIRECT CONTACT NON-INDUSTRIAL PATHWAY) [APRIL 1997]**

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

**NOTE:**

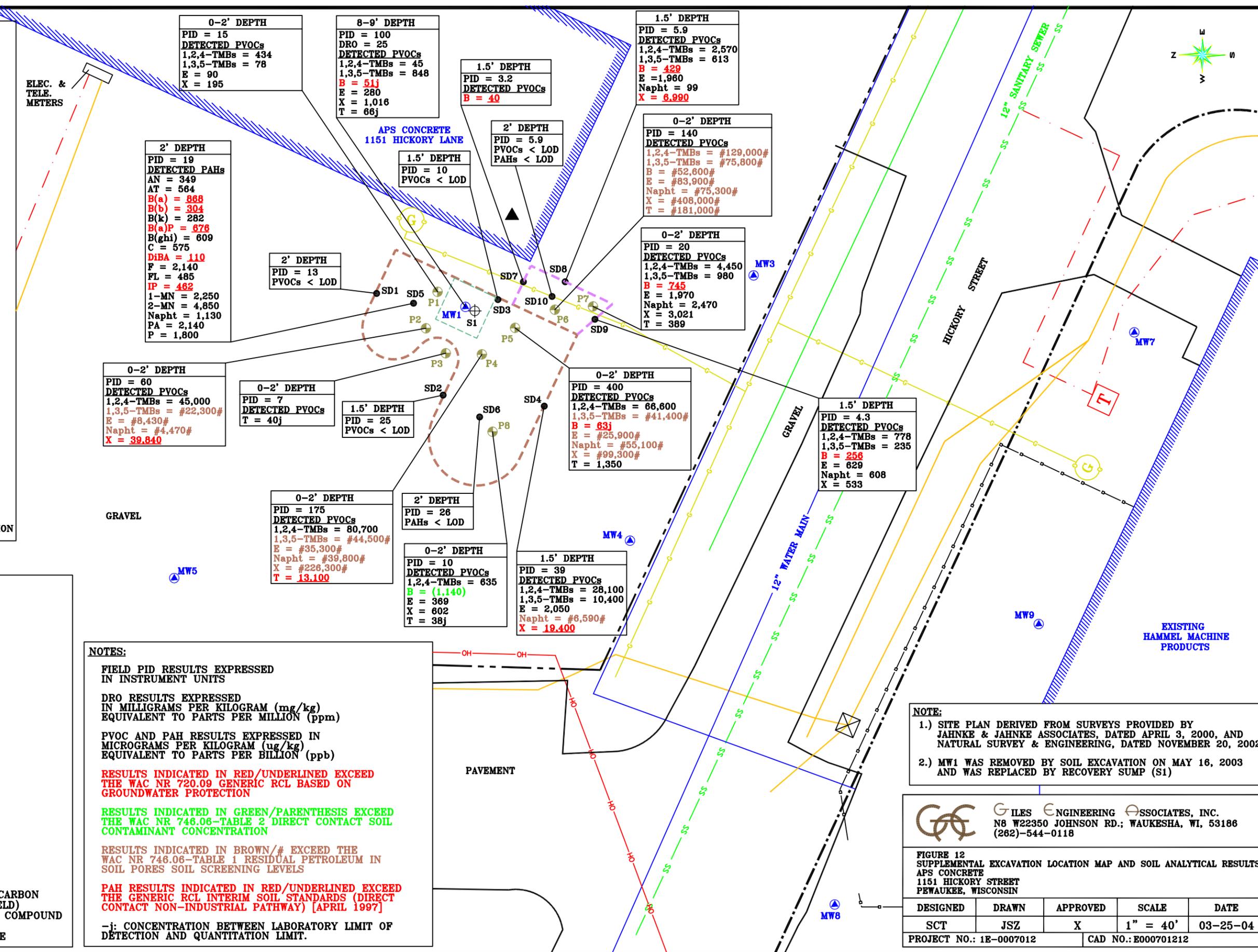
- 1.) SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.
- 2.) MW1 WAS REMOVED BY SOIL EXCAVATION ON MAY 16, 2003 AND WAS REPLACED BY RECOVERY SUMP (S1)

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 (262)-544-0118

FIGURE 12  
 SUPPLEMENTAL EXCAVATION LOCATION MAP AND SOIL ANALYTICAL RESULTS  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1" = 40'	03-25-04

PROJECT NO.: 1E-0007012 CAD NO.: E000701212



- LEGEND:**
- MW1 MONITORING WELL LOCATION & NUMBER
  - OH OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - WATER
  - STORM SEWER
  - SS SANITARY SEWER
  - TELECOMMUNICATIONS
  - GAS LINE
  - FENCE
  - SUBJECT PROPERTY
  - VILLAGE OF PEWAUKEE RIGHT-OF-WAY
  - CURB LINE
  - BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
  - TRANSFORMER
  - GAS METER
  - STORM DRAIN
  - FORMER UST EXCAVATION
  - TELEPHONE POLE
  - MANHOLE
  - 400 BENZENE CONTOUR INTERVAL IN MICROGRAMS PER LITER
  - (2.8) BENZENE CONCENTRATION; IN MICROGRAMS PER LITER; EQUIVALENT TO PARTS PER BILLION
  - (ND) BELOW ANALYTICAL METHOD DETECTION LIMIT

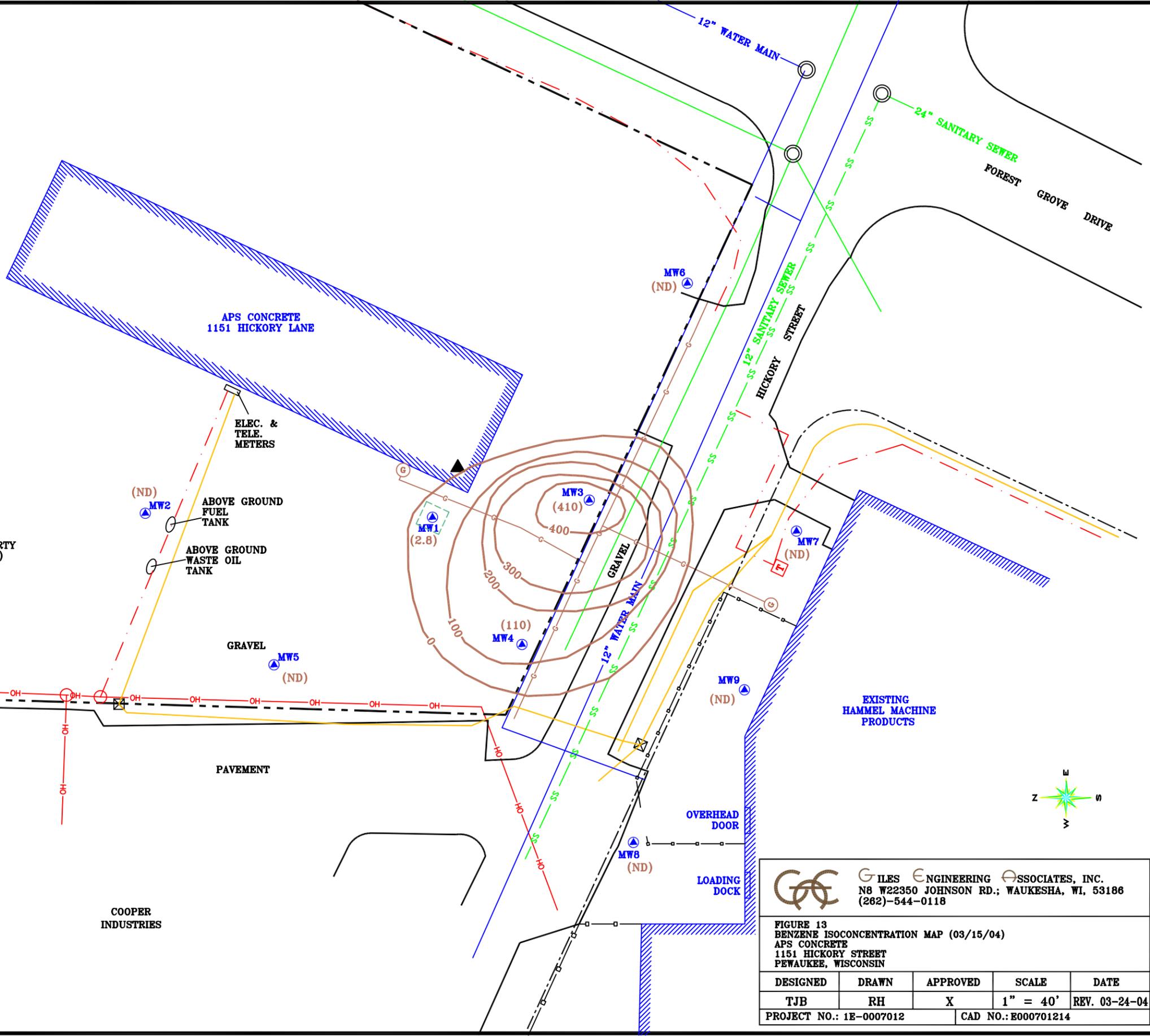
NORTH PARCEL OF  
APS CONCRETE PROPERTY  
(PWV 0903-996-007)

SOUTH PARCEL OF  
APS CONCRETE PROPERTY  
(PWV 0903-996-003)

ASPHALT

COOPER  
INDUSTRIES

**NOTE:**  
SITE PLAN DERIVED FROM SURVEYS PROVIDED BY  
JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND  
NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.



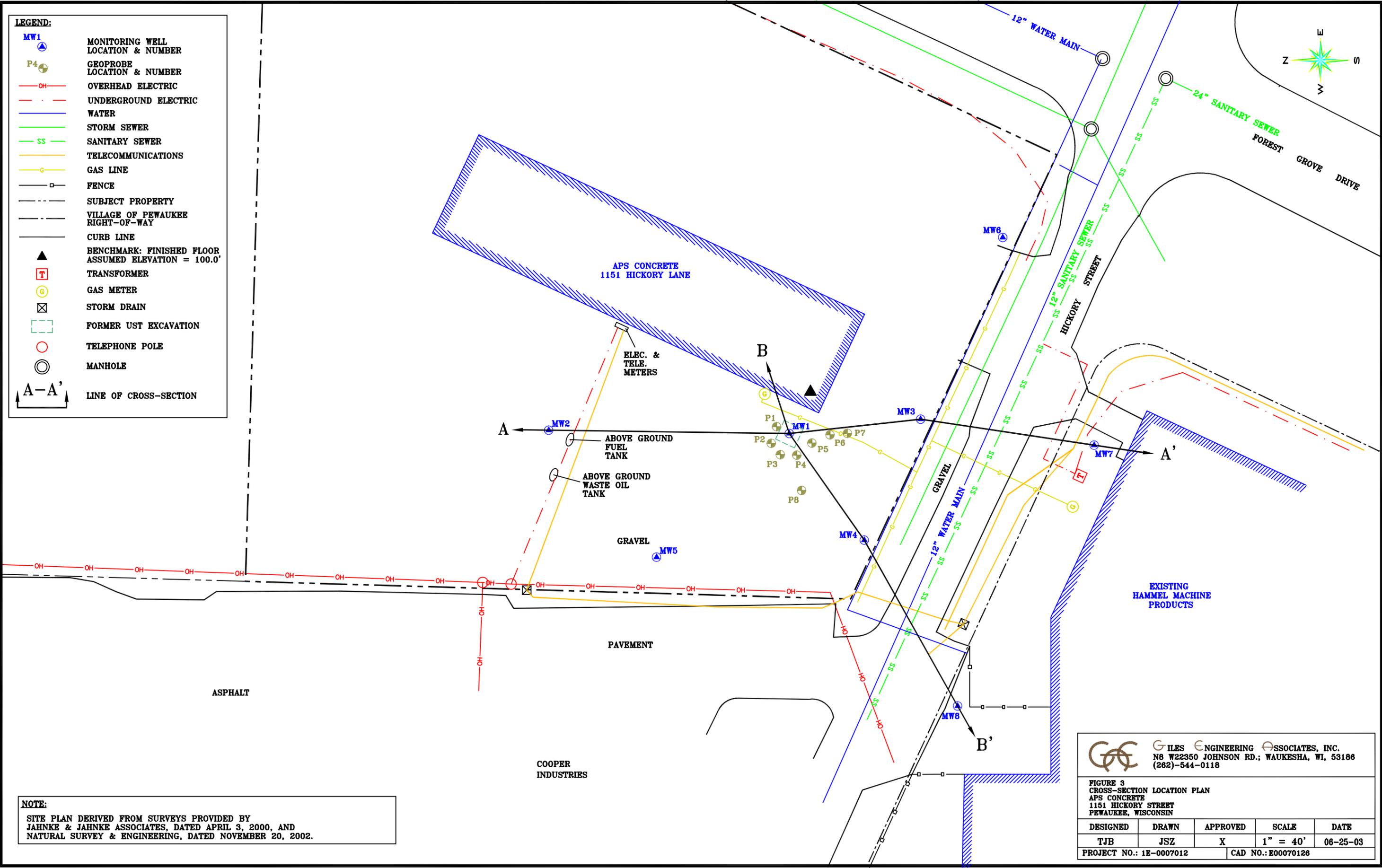
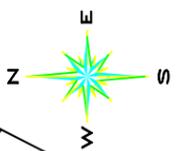
**GILES ENGINEERING ASSOCIATES, INC.**  
N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186  
(262)-544-0118

**FIGURE 13**  
BENZENE ISOCONCENTRATION MAP (03/15/04)  
APS CONCRETE  
1151 HICKORY STREET  
PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
TJB	RH	X	1" = 40'	REV. 03-24-04
PROJECT NO.: 1E-0007012		CAD NO.: E000701214		

**LEGEND:**

- MW1 MONITORING WELL LOCATION & NUMBER
- P4 GEOPROBE LOCATION & NUMBER
- OH OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- WATER
- STORM SEWER
- SS SANITARY SEWER
- TELECOMMUNICATIONS
- GAS LINE
- FENCE
- SUBJECT PROPERTY
- VILLAGE OF PEWAUKEE RIGHT-OF-WAY
- CURB LINE
- BENCHMARK: FINISHED FLOOR ASSUMED ELEVATION = 100.0'
- TRANSFORMER
- GAS METER
- STORM DRAIN
- FORMER UST EXCAVATION
- TELEPHONE POLE
- MANHOLE
- LINE OF CROSS-SECTION



**NOTE:**  
 SITE PLAN DERIVED FROM SURVEYS PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, DATED APRIL 3, 2000, AND NATURAL SURVEY & ENGINEERING, DATED NOVEMBER 20, 2002.

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 (262)-544-0118

**FIGURE 3  
 CROSS-SECTION LOCATION PLAN  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN**

DESIGNED	DRAWN	APPROVED	SCALE	DATE
TJB	JSZ	X	1" = 40'	06-25-03

PROJECT NO.: 1E-0007012      CAD NO.: E00070126

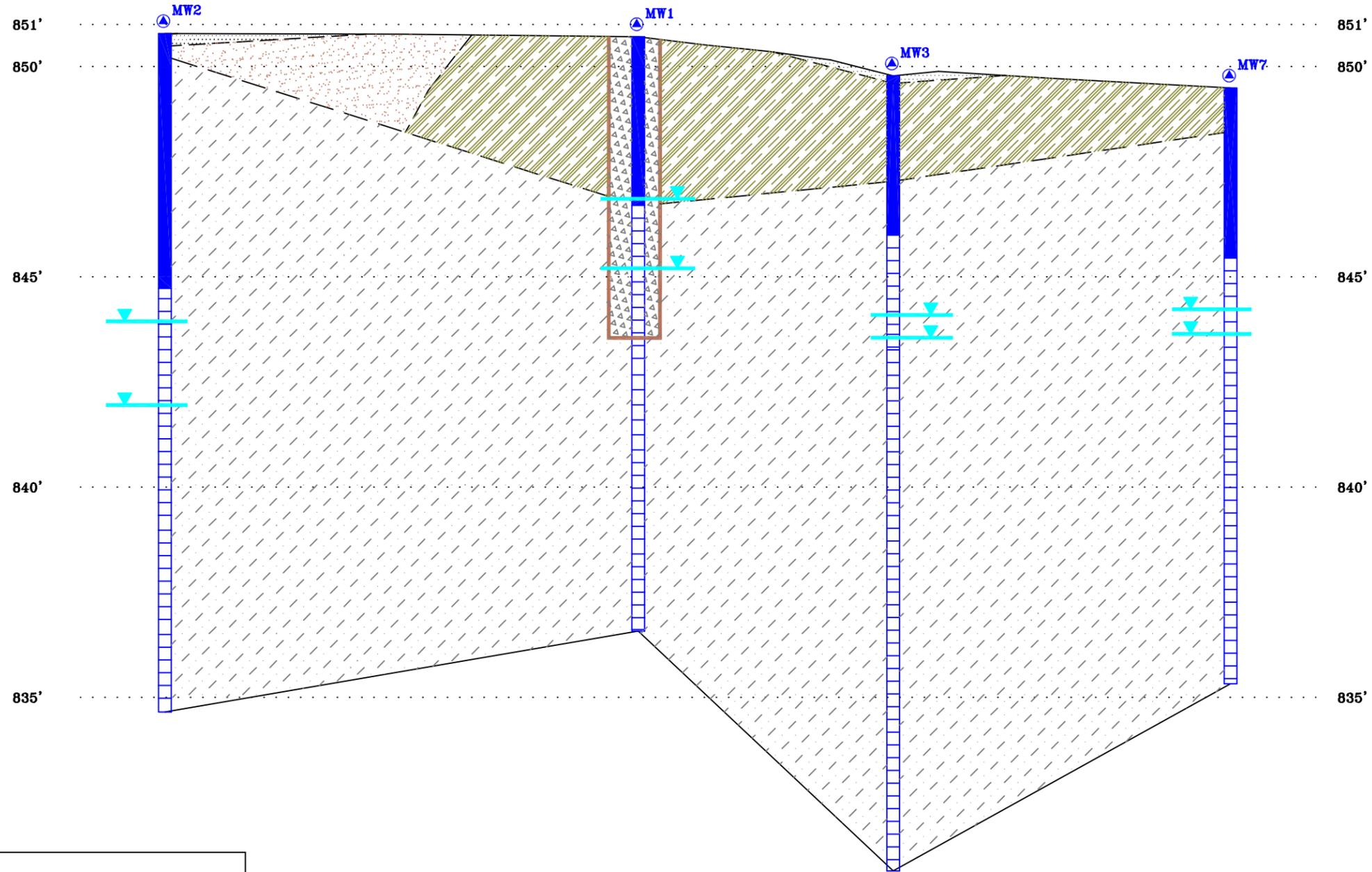
# CROSS SECTION A-A'

SCALE: HORIZONTAL 1" = 30'  
VERTICAL 1" = 3'

A  
NORTH

A'  
SOUTH

ELEVATION (IN FEET REFERENCED TO AN ARBITRARY BENCHMARK)



**SOIL KEY:**

	ASPHALTIC CONCRETE
	SILTY CLAY - SAND
	DOLOMITE BEDROCK
	SAND AND GRAVEL, SILTY CLAY
	GRAVEL BACKFILL (FORMER UST LOCATION)
	SOIL CONTACTS: DASHED WHERE INTERPOLATED

**LEGEND:**

	MONITORING WELL
	HIGH STATIC GROUNDWATER LEVEL (10/15/03)
	LOW STATIC GROUNDWATER LEVEL (01/08/03)
	WELL SCREEN
	FORMER UST EXCAVATION

**GILES ENGINEERING ASSOCIATES, INC.**  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN  
 (262)-544-0118

FIGURE 4  
 CROSS-SECTION A-A'  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	SEE TITLE	06-25-03
PROJECT NO.: 1E-0007012			CAD NO.: E00070127	

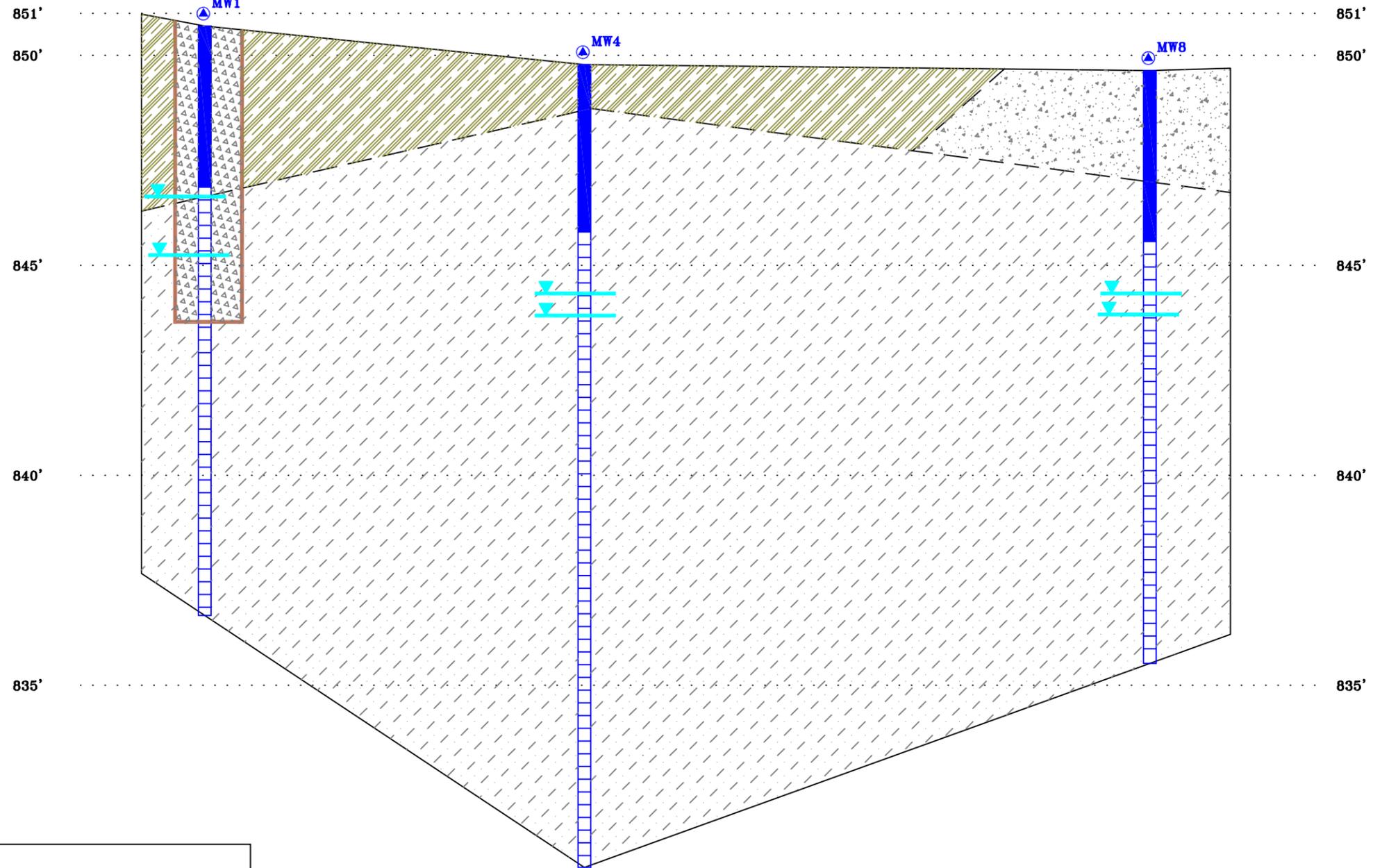
# CROSS SECTION B-B'

SCALE: HORIZONTAL 1" = 30'  
VERTICAL 1" = 3'

B  
EAST

B'  
WEST

ELEVATION (IN FEET REFERENCED TO AN ARBITRARY BENCHMARK)



**LEGEND:**

- MW1 MONITORING WELL
- HIGH STATIC GROUNDWATER LEVEL (01/08/03)
- LOW STATIC GROUNDWATER LEVEL (10/15/02)
- WELL SCREEN
- FORMER UST EXCAVATION

**SOIL KEY:**

- SAND AND GRAVEL
- SILTY CLAY WITH SAND AND GRAVEL
- DOLOMITE BEDROCK
- GRAVEL BACKFILL
- SOIL CONTACTS: DASHED WHERE INTERPOLATED

**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186  
 (262)-544-0118

**FIGURE 5**  
 CROSS-SECTION B-B'  
 APS CONCRETE  
 1151 HICKORY STREET  
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	SEE TITLE	06-26-03

PROJECT NO.: 1E-0007012      CAD NO.: E00070128

**Table 4**  
**GROUNDWATER ANALYTICAL RESULTS (PAHS)**

APS Concrete  
1151 Hickory Street  
Pewaukee, Wisconsin  
Project No. 1E-0007012

Sample Point	Date	PAHs																		Total Semi VOLs
		1-methyl Naphthalene	2-methyl Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthrene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene	
MW-1	12/20/01	189	218	<0.17	<1	<0.01	<0.07	<0.10	<0.07	<0.52	<0.01	<0.70	<0.42	<0.36	7.6	<0.59	<u>298</u>	9.3	<0.06	722
	6/19/02	7.5	26	<0.15	<0.12	<0.14	0.07j	<u>(0.03j)</u>	<0.01	<0.01	<0.01	<0.01	<0.01	0.01j	1.6	<0.10	<u>21</u>	0.12	<0.01	56
	10/15/02	9	2.3	4.6	71	<0.46	<0.10	<0.03	0.06j	<0.03	<0.03	<0.03	0.16	0.34	1.6	<0.33	<u>148</u>	4.5	<0.03	242
MW-2	6/19/02	<0.13	9.1	<0.15	<0.12	<0.14	0.06j	<0.01	<0.01	<0.01	0.3	<0.01	<0.01	0.03j	<0.11	<0.10	<0.22	<0.12	<0.01	9
MW-3	6/19/02	2.7	80	87	<0.12	<0.14	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	3.9	<0.10	<u>73</u>	<0.12	<0.01	247
	10/15/02	10	92	3.5	18	<0.14	<0.03	<0.01	0.02j	<0.01	0.04	<0.01	0.01j	0.07	3.4	<0.10	<u>74</u>	2.2	0.05	203
MW-4	6/19/02	8.8	27	35	<0.12	<0.14	0.08j	<0.01	<0.01	<0.01	<0.01	0.45	<0.01	0.03j	0.79	<0.10	<u>(14)</u>	0.15j	1.1	87
	10/15/02	3.2	11	0.56	2.5	<0.15	<0.03	<0.01	0.02j	<0.01	<0.01	<0.01	<0.01	<0.01	2.9	<0.11	7.7	0.16j	<0.01	28
MW-5	10/15/02	<0.13	<0.18	<0.15	<0.12	<0.14	<0.03	<0.01	<0.01	<0.01	0.02j	<0.01	0.02j	0.07	<0.11	<0.10	0.26j	<0.12	0.04	0.11
MW-6	10/15/02	<0.13	<0.18	<0.15	<0.12	<0.14	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.11	<0.10	<0.22	<0.12	<0.01	0
MW-7	10/15/02	<0.13	<0.18	<0.15	<0.12	<0.14	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.11	<0.10	<0.22	<0.12	<0.01	0
MW-8	10/15/02	<0.14	<0.19	<0.16	<0.13	<0.15	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.12	<0.11	<0.23	<0.13	0.02j	0.05
WDNR PAL		NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	8	NS	50	
WDNR ES		NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	40	NS	250	

**NOTES:**

**PAH:** Polynuclear Aromatic Hydrocarbons

**ES:** Enforcement Standard

**PAL:** Preventative Action Limit

**ug/l:** micrograms per liter equivalent to parts per billion

--: not analyzed/not applicable

Results in blue/parentheses exceed the Wisconsin Administrative Code NR 140.10 Table 1 PAL

Results in red/underlined exceed the Wisconsin Administrative Code NR 140.10 Table 1 ES.

**TABLE 2  
SOIL ANALYTICAL RESULTS**

APS Concrete  
1151 Hickory Street  
Pewaukee, Wisconsin  
Project No. 1E-0007012

Analytes	NR 720.09 RCLs Table 1	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)	SAMPLING LOCATION*									
				MW1	P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	
Date Sampled	--	--	--	12/19/01	10/3/02	10/3/02	10/3/02	10/3/02	10/3/02	10/3/02	10/3/02	10/3/02	10/3/02
Sample Depth (feet)	--	--	--	8-9	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
PID (Instrument units)	--	--	--	100	15	60	7	175	400	140	20	10	
Diesel Range Organics (DRO) (mg/kg)	250	--	--	25	--	--	--	--	--	--	--	--	--
PVOCs (ug/kg)	1,2,4-Trimethylbenzene	--	83000	--	1,620	434	45,000	<16	80,700	66,600	#129000#	4,450	635
	1,3,5-Trimethylbenzene	--	11000	--	848	78	#22300#	<18	#44500#	#41400#	#75800#	980	<20
	1,2-Dichloroethane	4.9	600	540	--	<23	<104	<18	<81	<41	<104	<21	<21
	Benzene	5.5	8500	1100	51j	<18	<81	<14	<63	63j	#52600#	745	(1,140)
	Ethylbenzene	2900	4600	--	280	90	#8430#	<13	#35300#	#25900#	#83900#	1970	369
	MTBE	--	--	--	<14	<26	<116	<20	<91	<46	<117	<24	<23
	Naphthalene		2700		--	<50	#4470#	<39	#39800#	#55100#	#75300#	2470	<45
	Total Xylenes	4100	42000	--	1016	195	39,840	39j	#226300#	#99300#	#408000#	3021	602
Toluene	1,500	38000	--	66j	<20	<87	40j	13100	1350	#181000#	389	38j	

**NOTES:**

- PID:** Photoionization Detector
- BDL:** Below Detection Limit
- DRO:** Diesel Range Organics
- PVOC:** Petroleum Volatile Organic Compounds
- MTBE:** methyl tert butyl ether
- ug/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)
- mg/kg:** Milligrams per kilograms; equivalent to parts per million (ppm)
- --: Not Applicable\Not Analyzed
- j: Concentration between the laboratory limit of detection and limit of quantification
- \*: Soil samples were not collected at boring locations MW2, MW3, MW4, MW5, MW6, MW7 and MW8

- WDNR:** Wisconsin Department of Natural Resources
- RCL:** Residual contaminant levels
- Results in red/underline exceed the WDNR RCL established in NR 720**
- Results in green/paranthesis exceed the WDNR direct contact RCL established in NR 746**
- Results in brown/#.....#, exceed the WDNR Product Indicator Level established in NR 746**

**TABLE 5  
INDICATOR PARAMETERS FOR NATURAL ATTENUATION**

**APS Concrete  
1151 Hickory Street  
Pewaukee, Wisconsin  
Project No. 1E-0007012**

Well No.	Date Collected	Temperature (Farenheight)	pH (S.U.)	D.O. (mg/l)	ORP (mv)	Conductivity (us/cm)
MW-1*	10/15/02	16.25	7.08	1.39	70	--
	1/8/03	8.55	7.34	0.71	50	1313
	6/20/03	--	--	--	--	--
	9/23/03	--	--	--	--	--
MW-2**	10/15/02	--	--	--	--	--
	1/8/03	--	--	--	--	--
	6/20/03	--	--	--	--	--
	9/23/03	--	--	--	--	--
MW-3	10/15/02	17.81	7.09	1.35	109	--
	1/8/03	9.67	7.57	1.99	97	1284
	6/20/03	15.24	6.95	0.69	211	1256
	9/20/03	18.71	7.52	.42	70	969
MW-4	10/15/02	17.39	7.15	1.10	238	--
	1/8/03	10.30	7.53	1.28	142	904
	6/20/03	13.66	7.10	1.02	203	987
	9/23/03	17.76	7.41	.43	52	930
MW-5	10/15/02	16.82	7.32	4.71	323	963
	1/8/03	8.30	7.61	3.06	249	922
	6/20/03	15.01	7.28	2.27	393	963
	9/23/03	18.65	7.82	1.09	377	844
MW-6	10/15/02	17.04	7.51	1.62	355	--
	1/8/03	9.73	7.33	1.29	259	2662
	6/20/03	14.74	7.34	0.91	389	764
	9/23/03	17.23	7.33	0.51	253	1486
MW-7	10/15/02	17.51	7.49	4.68	371	--
	1/8/03	12.04	7.86	3.66	354	1467
	6/20/03	14.38	7.48	2.13	383	526
	9/23/03	17.65	7.62	5.47	343	556
MW-8	10/15/02	18.62	7.35	3.15	385	--
	1/8/03	10.16	7.68	1.90	331	931
	6/20/03	15.46	7.34	1.04	395	1467
	9/23/03	18.98	7.20	0.35	393	1160
S-1	10/15/02	--	--	--	--	--
	1/8/03	--	--	--	--	--
	6/20/03	--	--	--	--	--
	9/23/03	18.31	7.12	0.4	50	986

Note:

D.O. - dissolved oxygen

S.U. - standard units

mg/l - milligrams per liter, equivalent to parts per billion (ppb)

mv - millivolts

us/cm - microsiemens per centimeter

--: Parameter(s) not measured

\*: MW-1 was removed during soil excavation activities on May 16, 2003, and was replaced by recovery sump S-1

**TABLE 1  
GROUNDWATER ELEVATION AND SURVEY DATA**

APS Concrete  
1151 Hickory Street  
Pewaukee, Wisconsin  
Project No. 1E-0007012

Well No.	Top of PVC Elevation	Ground Elevation	Borehole		Screen			Groundwater		
			Depth of borehole	Elevation of borehole bottom	Screen length	Elevation of screen bottom	Elevation of screen top	Date of Measurement	Depth from PVC	Elevation
MW1*	850.36	850.85	13.37	836.99	10.00	837.48	847.48	12/20/01	11.87	838.49
								6/19/02	2.79	847.57
								10/15/2002	3.72	846.64
								1/8/2003	5.42	844.94
								5/16/03	2.53	847.83
MW2	853.51	851.27	16.64	836.87	10.00	834.63	844.63	6/19/02	5.20	848.31
								10/15/2002	6.75	846.76
								1/8/2003	8.72	844.79
								5/16/03	4.41	849.10
								6/20/03	6.95	846.56
								9/23/03	8.29	845.22
MW3	850.09	850.42	19.02	831.07	15.00	831.40	846.40	3/15/04	4.35	849.16
								6/19/02	5.52	844.57
								10/15/2002	5.77	844.32
								1/8/2003	6.27	843.82
								5/16/03	5.23	844.86
								6/20/03	5.93	844.16
MW4	849.76	850.24	17.81	831.95	15.00	832.43	847.43	9/23/03	6.25	843.84
								3/15/04	5.38	844.71
								6/19/02	5.13	844.63
								10/15/2002	5.41	844.35
								1/8/2003	5.91	843.85
								5/16/03	4.91	844.85
MW5	850.38	850.66	12.63	837.75	10.00	838.03	848.03	6/20/03	5.56	844.20
								9/23/03	5.85	843.91
								3/15/04	4.83	844.93
								10/15/02	3.39	846.99
								1/8/2003	5.19	845.19
								5/16/03	1.63	848.75
MW6	849.79	850.13	12.91	836.88	10.00	837.22	847.22	6/20/03	3.70	846.68
								9/23/03	4.59	845.79
								3/15/04	1.60	848.78
								10/15/02	5.31	844.48
								1/8/2003	5.88	843.91
								5/16/03	5.21	844.58
MW7	849.51	849.75	12.94	836.57	10.00	836.81	846.81	6/20/03	5.59	844.20
								9/23/03	6.01	843.78
								3/15/04	5.30	844.49
								10/15/02	5.25	844.26
								1/8/2003	5.69	843.82
								5/16/03	5.07	844.44
MW8	849.37	849.56	12.86	836.51	10.00	836.70	846.70	6/20/03	5.45	844.06
								9/23/03	5.76	843.75
								3/15/04	5.10	844.41
								10/15/02	5.26	844.11
								1/8/2003	5.71	843.66
								5/16/03	4.75	844.62
MW9	849.51	849.76	14.51	835.00	10.00	835.25	845.25	6/20/03	5.44	843.93
								9/23/03	5.61	843.76
S-1	850.91	851.05	6.90	844.01	6.70	844.15	850.85	3/15/04	4.75	844.62
								6/20/03	4.69	846.22
								9/23/03	5.26	845.65
								3/15/04	3.08	847.83

Note: all units expressed in feet  
 Benchmark: Finished floor of Existing APS structure, with mean sea level elevation of 851.50 feet. Elevation determined by survey performed by National Engineering and Survey on  
 \* MW-1 was removed during soil excavation activities on May 16, 2003, and was replaced by recovery sump S-1, set at 6.7 feet below the ground surface

**TABLE 3**  
**GROUNDWATER ANALYTICAL RESULTS (VOC/PVOC/Pb)**

APS Concrete  
1151 Hickory Street  
Pewaukee, Wisconsin  
Project 1E-0007012

Sampling Date	Dissolved Lead (ug/L)	Detected VOC/PVOC (ug/L)													Water Level
		Benzene	Toluene	E	Xylenes	TMB	MTBE	Napht	PCE	VC	IPBz	n-PBz	p-IPT	s-BuBz	
<b>MW-1*</b>		Length of Well Screen: 10'													
12/20/01	--	<u>177</u>	21	<0.5	64	(458)	<0.78	<u>451</u>	<0.62	<0.4	39	96	23	14	838.49
6/19/02	--	<8.9	<8.8	<u>1250</u>	<29.5	<25	<6	--	--	--	--	--	--	--	847.57
10/15/02	--	<u>120</u>	15	(436)	856	<u>1249</u>	9.2	--	--	--	--	--	--	--	846.64
1/8/03	--	<u>137</u>	3.5	(595)	(1,003)	<u>1177</u>	<1.5	--	--	--	--	--	--	--	844.94
<b>Sump (S1)</b>		Length of Well Screen: 10'													
6/20/03	--	<u>9.9</u>	7.9	39	320	(374)	(14)	<u>110</u>	--	--	--	--	--	--	846.22
9/23/03	--	<u>33</u>	8.2	140	440	(554.6)	<1.6	<u>170</u>	--	--	--	--	--	--	845.65
3/15/04	(1.5j)	(2.8)	1.3	17	65	(112.4)	6.7	--	--	--	--	--	--	--	847.83
<b>MW-2</b>		Length of Well Screen: 10'													
6/19/02	--	<0.27	<0.29	<0.25	<0.78	<0.64	<0.39	<0.75	<0.31	<0.2	<0.33	<0.28	<0.31	<0.34	848.31
10/15/02	--	<0.44	<0.44	<0.57	<1.48	<1.25	<0.3	--	--	--	--	--	--	--	846.76
1/8/03	--	<0.44	<0.44	<0.57	<1.48	<1.25	<0.3	--	--	--	--	--	--	--	844.79
6/20/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	846.56
9/23/03	--	<0.25	0.13j	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	845.22
<b>MW-3</b>		Length of Well Screen: 15'													
6/19/02	--	<u>788</u>	40	<u>1350</u>	(1,850)	<u>1817</u>	<7.8	<u>504</u>	<u>&lt;6.2</u>	<4.0	76	229	15	14	844.57
10/15/02	--	<u>336</u>	6.2	(591)	447	(319)	(16)	--	--	--	--	--	--	--	844.32
1/8/03	--	<u>213</u>	0.89j	(484)	180.9	(100)	8.4	--	--	--	--	--	--	--	843.82
6/20/03	--	<u>300</u>	13	(640)	640	<u>511</u>	<u>73</u>	<u>200</u>	--	--	--	--	--	--	844.16
9/23/03	--	<u>230</u>	11	(550)	480	(332)	<2.8	<u>140</u>	--	--	--	--	--	--	843.84
3/15/04	<1.4	<u>410</u>	15	(650)	730	(745)	(39)	--	--	--	--	--	--	--	844.71
<b>MW-4</b>		Length of Well Screen: 15'													
6/19/02	--	<u>186</u>	15	(215)	382	<u>589</u>	<2	<u>61</u>	<1.6	<1.0	<1.7	68	10	6.4	844.63
10/15/02	--	<u>110</u>	5.2	127	97.5	(225)	5	--	--	--	--	--	--	--	844.35
1/8/03	--	<u>35</u>	0.53j	99	28.9	88.6	1.3	--	--	--	--	--	--	--	843.85
6/20/03	--	<u>39</u>	3.3	100	75	(170)	(28)	(12)	--	--	--	--	--	--	844.2
9/23/03	--	<u>77</u>	6.4	150	130	(202.7)	<4.2	(20)	--	--	--	--	--	--	843.91
3/15/04	1.4j	<u>110</u>	29	130	150	(209)	<4.8	--	--	--	--	--	--	--	844.93
<b>MW-5</b>		Length of Well Screen: 10'													
10/15/02	--	<0.27	<0.29	<0.25	<0.78	<0.64	<0.39	<0.75	(0.56j)	<0.2	<0.33	<0.28	<0.31	<0.34	846.99
1/8/03	--	<0.44	<0.44	<0.57	<1.48	<1.25	<0.3	--	--	--	--	--	--	--	845.19
6/20/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	846.68
9/23/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	845.79
<b>MW-6</b>		Length of Well Screen: 10'													
10/15/02	--	<0.27	0.84j	<0.25	0.53	0.38j	<0.39	<0.75	<0.31	<u>0.2</u>	<0.33	<0.28	<0.31	<0.34	844.48
1/8/03	--	<0.44	<0.44	<0.57	<1.48	<1.25	<0.3	--	--	--	--	--	--	--	843.91
6/20/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	844.2
9/23/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	843.78
<b>MW-7</b>		Length of Well Screen: 10'													
10/15/02	--	<0.27	0.68j	<0.25	<0.78	<0.64	<0.39	<0.75	(0.82j)	<0.2	<0.33	<0.28	<0.31	<0.34	844.26
1/8/03	--	<0.44	<0.44	<0.57	<1.48	<1.25	<0.3	--	--	--	--	--	--	--	843.82
6/20/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	844.06
9/23/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	843.75
<b>MW-8</b>		Length of Well Screen: 10'													
10/15/02	--	<0.27	<0.29	<0.25	<0.78	<0.64	<0.39	<0.75	<0.31	<0.2	<0.33	<0.28	<0.31	<0.34	844.11
1/8/03	--	<0.44	<0.44	<0.57	<1.48	<1.25	<0.3	--	--	--	--	--	--	--	843.66
6/20/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	843.93
9/23/03	--	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	<0.5	--	--	--	--	--	--	843.76
<b>MW-9</b>		Length of Well Screen: 10'													
3/15/04	<1.4	<0.20	<0.20	<0.50	<0.50	<0.40	<0.50	<0.25	<0.50	<0.20	<0.20	<0.50	<0.20	<0.25	844.62
WDNR PAL	1.5	0.5	200	140	1000	96	12	8	0.5	0.02	NS	NS	NS	NS	
WDNR ES	15	5	1000	700	10000	480	60	40	5	0.2	NS	NS	NS	NS	

**Notes:**

**VOC:** Volatile Organic Compounds  
**PVOC:** Petroleum Volatile Organic Compounds  
**ug/l:** Micrograms per Liter  
**TMB:** Trimethylbenzene  
**DCA:** Dichloroethane  
**E:** Ethylbenzene

**Napht:** Naphthalene  
**n-PBz:** n-Propylbenzene  
**MTBE:** Methyl tert-butyl ether  
**I-PBz:** Isopropylbenzene  
**p-IPT:** p-Isopropyltoluene  
**s-BuBz:** Sec-Butylbenzene  
**Pb:** Lead

**Xylenes:** Total Xylenes  
**PCE:** Tetrachloroethene  
**VC:** Vinyl Chloride  
**NS:** No established standard  
**PAL:** Preventive Action Limit  
**ES:** Enforcement Standard  
**--:** Not Analyzed

j: Concentrations between laboratory level of detection and level of quantification

\*: MW-1 was removed during soil excavation activities on May 16, 2003, and was replaced by recovery sump S-1, set at 6.7 feet below the ground surface

Results indicated in blue/parentheses exceed the Wisconsin Administrative Code NR 140 PAL

Results indicated in red/underline exceed the Wisconsin Administrative Code NR 140 ES

**TABLE 6  
SOIL ANALYTICAL RESULTS-EXCAVATION CONFIRMATION SAMPLES**

APS Concrete  
1151 Hickory Street  
Pewaukee, Wisconsin  
Project No. 1E-0007012

Analytes	SAMPLING LOCATIONS												WAC NR 720.09 Generic RCLs	NR 746.06 Table 1 Product Indicator	NR 746.06 Table 2 Direct Contact	
	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11 (Drop Box)	Truck				
Date Sampled	5/16/03	5/16/03	5/16/03	5/16/03	5/16/03	5/16/03	3/19/04	3/19/04	3/19/04	3/19/04	3/19/04	3/19/04	5/16/03			
Sample Depth (feet)	2	1.5	1.5	1.5	2	2	1.5	1.5	1.5	2	--	1.5				
PID (Instrument units)	13	25	10	39	19	26	3.2	5.9	4.3	5.9	549	1,320				
PVOCs (ug/kg)	1,2,4-Trimethylbenzene	<25	<29	<31	28,100	NA	NA	<27	2,570	778	<27	# 107,000 #	#103,000#	NS	83,000	NS
	1,3,5-Trimethylbenzene	<25	<29	<31	10,400	NA	NA	<27	613	235	<27	# 13,200 #	#36,000#	NS	11,000	NS
	Benzene	<25	<29	<31	<270	NA	NA	<u>40</u>	<u>429</u>	<u>256</u>	<27	(2,890)	#18,000#	5.5	8,500	1,100
	Ethylbenzene	<25	<29	<31	2,050	NA	NA	<27	1,960	629	<27	<u>36,800</u>	#54,000#	2,900	4,600	NS
	Total Xylenes	<36	<41	<43	<u>19,400</u>	NA	NA	<38	<u>6,990</u>	533	<38	# 44,700 #	#216,000#	4,100	42,000	NS
	MTBE	<25	<29	<31	<270	NA	NA	<27	<31	<27	<27	<1,580	<3,000	NS	NS	NS
	Naphthalene	<25	<29	<31	#6,590#	NA	NA	<27	99	608	<27	# 23,700 #	#24,000#	NS	2,700	NS
Toluene	<25	<29	<31	<270	NA	NA	<27	<31	<27	<27	<1,580	#168,000#	1,500	38,000	NS	
												NR Generic RCL 720 Interim Soil Standards (Groundwater Pathway)	NR Generic RCL 720 Interim Soil Standards (Direct Contact Non- Industrial Pathway)			
Detected Polynuclear Aromatic Hydrocarbons (PAHs) (ug/kg)	Acenaphthene	NA	NA	NA	NA	349	<55	--	--	--	<55	--	38,000	900,000		
	Acenaphthylene	NA	NA	NA	NA	<480	<93	--	--	--	<93	--	700	18,000		
	Anthracene	NA	NA	NA	NA	564	<5.5	--	--	--	<5.5	--	3,000,000	5,000,000		
	Benzo (a) anthracene	NA	NA	NA	NA	<b>868</b>	<5.5	--	--	--	<5.5	--	17,000	88		
	Benzo (b) fluoranthene	NA	NA	NA	NA	<b>304</b>	<5.5	--	--	--	<5.5	--	360,000	88		
	Benzo (k) fluoranthene	NA	NA	NA	NA	282	<5.5	--	--	--	<5.5	--	870,000	880		
	Benzo (a) pyrene	NA	NA	NA	NA	<b>676</b>	<5.5	--	--	--	<5.5	--	48,000	8.8		
	Benzo (ghi) perylene	NA	NA	NA	NA	609	<5.5	--	--	--	<5.5	--	6,800,000	1,800		
	Chrysene	NA	NA	NA	NA	575	<5.5	--	--	--	<5.5	--	37,000	8,800		
	Dibenzo (a,h) anthracene	NA	NA	NA	NA	<b>110</b>	<8.2	--	--	--	<8.2	--	38,000	8.8		
	Fluoranthrene	NA	NA	NA	NA	2,140	<11	--	--	--	<11	--	500,000	600,000		
	Fluorene	NA	NA	NA	NA	485	<11	--	--	--	<11	--	100,000	600,000		
	Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	<b>462</b>	<5.5	--	--	--	<5.5	--	680,000	88		
	1-methyl Naphthalene	NA	NA	NA	NA	2,250	<33	--	--	--	<33	--	23,000	1,100,000		
	2-methyl Naphthalene	NA	NA	NA	NA	4,850	<27	--	--	--	<27	--	20,000	600,000		
	Naphthalene	NA	NA	NA	NA	1,130	<33	--	--	--	<33	--	400	20,000		
	Phenanthrene	NA	NA	NA	NA	2,140	<5.5	--	--	--	<5.5	--	1,800	18,000		
Pyrene	NA	NA	NA	NA	1,800	<5.5	--	--	--	<5.5	--	8,700,000	500,000			

**NOTES:**

PID: Photoionization Detector  
PVOc: Petroleum Volatile Organic Compounds  
BDL: Below Detection Limit  
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)  
NA: Not Analyzed  
NS: No Standard  
WAC: Wisconsin Administrative Code  
RCL: Residual Contaminant Level

Results indicated in red/underline exceed the WAC NR 720.09 Generic RCL based on groundwater protection  
Results indicated in green/parantheses exceed the WAC NR 746.06- Table 2 Direct Contact Soil Contaminant Concentration  
Results indicated in brown/# exceed the WAC NR 746.06- Table 1 Residual Petroleum in Soil Pores Soil Screening Levels  
PAH results indicated in red, exceed the Generic RCL Interim Soil Standards (Direct Contact Non-Industrial Pathway) [April 1997]  
Results indicated in blue/paranthesis, exceed Generic RCL Interim Soil Standards (Groundwater Pathway) [April 1997]

Mr. Bruce Glaser as president for APS Concrete Products, Inc., states that JACK GLASER is the owner of the property which is located at 1151 Hickory Street, Pewaukee, Wisconsin, and which is legally described in the Warranty Deed recorded as Document No. 985 465, recorded on 2/23/77, which completely and accurately describes the complete parcel of the property (BRRTS No. 03-68-118912).

APS Concrete Products, Inc.

By:   
Bruce Glaser

Date: 12/23/2003



# GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Dallas, TX
- Los Angeles, CA
- Madison, WI
- Milwaukee, WI
- Orlando, FL
- Washington, D.C.

December 24, 2003

Ms. Susan Atherton  
Village Hall  
235 Hickory Street  
Village of Pewaukee, WI 53202

RE: Notice of Residual Petroleum Impacts  
Within Public Street or Right-of-Way  
1151 Hickory Street  
FID No: 268352150  
BRRTS No.: 03-68-118912  
Giles Project No. 1E-0007012

Dear Ms. Atherton:

Enclosed please find a copy of the Notice of Residual Petroleum Impacts letter for the above referenced property. Chapter NR 726.05 (2)(b)(4) of the Wisconsin Administrative Code requires the Municipal Clerk and Department of Public Works responsible for maintaining the street or highway be given written notification of the potential presence of petroleum impacts within the right-of-way. The attached letter serves as this notification. Please place a copy of this notification in the appropriate files.

If you have any questions or comments regarding this notification, please feel free to contact the undersigned at your convenience

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.

  
Steven C. Thuemling  
Staff Scientist II

  
Timothy P. Welch, P.G.  
Project Hydrogeologist II

Enclosures: Notice of Residual Petroleum Impacts Letter

Distribution: Village Clerk, Village of Pewaukee  
Attn: Ms. Susan Atherton  
APS Concrete Products, Inc.  
Attn: Mr. Chuck Rammage (letter only)  
Wisconsin Department of Natural Resources  
Attn: Ms. Victoria Stovall (letter only)



# GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Dallas, TX
- Los Angeles, CA
- Madison, WI
- Milwaukee, WI
- Orlando, FL
- Washington, D.C.

December 24, 2003

Department of Public Works  
Village Hall  
235 Hickory Street  
Village of Pewaukee, WI 53202

Attention: Ms. Susan Atherton

Subject: Notice of Residual Petroleum Impacts  
Within Public Street or Right-of-Way  
1151 Hickory Street  
FID No: 268352150  
BRRTS No.: 03-68-118912  
Giles Project No. 1E-0007012

Dear Ms. Atherton:

On behalf of APS Concrete Products, Inc., Giles Engineering Associates, Inc. (Giles) is notifying the Village of Pewaukee Municipal Department regarding the potential presence of residual petroleum hydrocarbon impacts within the groundwater located along the southwestern boundary of the above-referenced site. A *"Site Investigation and Request for Case Closure"* is being submitted to the Wisconsin Department of Natural Resources (WDNR) for their review and decision. The case closure request includes providing a soil and groundwater Geographic Information System (GIS) Registry packet and notifying municipal authorities of potential petroleum impacts extending into public right-of-ways.

Giles is notifying your department pursuant to Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)(4), of the potential presence of groundwater impacts beneath the right-of-way, which may exceed applicable Wisconsin Administrative Code, Chapter NR 140 standards for groundwater.

A map is included showing the location of monitoring wells MW3 and MW4 adjacent to the Village of Pewaukee right of way. Petroleum-impacted groundwater above Wisconsin Administrative Code, Chapter NR 140 standards was detected in monitoring wells MW3 and MW4. Giles' investigation, remediation, and monitoring data has confirmed that the groundwater contaminant plume is stable or receding and that natural attenuation will restore the groundwater to NR 140 standards within a reasonable period of time.



**GILES**  
ENGINEERING ASSOCIATES, INC.

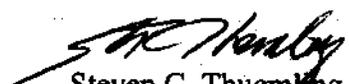
Notice of Residual Petroleum Impacts  
Within Public Street or Right-of-Way  
1151 Hickory Street  
Giles Project No. 1E-0007012

If future construction activities require dewatering, or if groundwater is to be otherwise extracted in the vicinity of the above-referenced site, the groundwater shall be sampled and managed in compliance with applicable statutes and rules.

If you have any questions or comments, please contact the undersigned at your convenience.

Sincerely,

**GILES ENGINEERING ASSOCIATES, INC.**

  
Steven C. Thuemling  
Staff Scientist II

  
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Enclosure: Figure 9, Groundwater Analytical Results (1)

Distribution: Village Clerk, Village of Pewaukee  
Attn: Ms. Susan Atherton  
APS Concrete Products, Inc.  
Attn: Mr. Chuck Rammage (letter only)  
Wisconsin Department of Natural Resources  
Attn: Ms. Victoria Stovall (letter only)